GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 30, 2006, 10:25:01 ; Search time 240.852 Seconds
                                          (without alignments)
                                          653.024 Million cell updates/sec

Title: US-10-657-103-3
Perfect score: 1806
Sequence: 1 MKTIQPKMHNSISWAIFTGL.........RRAGCVWLLPLLVLHLLLKF 344

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 2589679 seqs, 457216429 residues

Total number of hits satisfying chosen parameters: 2589679

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :   A_Geneseq_8:*
                 1: geneseqp1980s:*
                 2: geneseqp1990s:*
                 3: geneseqp2000s:*
                 4: geneseqp2001s:*
                 5: geneseqp2002s:*
                 6: geneseqp2003as:*
                 7: geneseqp2003bs:*
                 8: geneseqp2004s:*
                 9: geneseqp2005s:*
                 10: geneseqp2006s:*

       Pred. No. is the number of results predicted by chance to have a
       score greater than or equal to the score of the result being printed,
       and is derived by analysis of the total score distribution.

                              SUMMARIES

             %
Result   Query
No.   Score Match Length DB ID   Description
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    1 1806 100.0   344 3   AAY57601   Aay57601 Human pro
    2 1806 100.0   344 3   AAB44329   Aab44329 Human PRO
    3 1806 100.0   344 4   AAB31204   Aab31204 Amino aci
    4 1806 100.0   344 4   AAU12359   Aau12359 Human PRO
    5 1806 100.0   344 5   AAU83654   Aau83654 Human PRO
    6 1806 100.0   344 5   ABB84844   Abb84844 Human PRO
    7 1806 100.0   344 5   ABB95450   Abb95450 Human ang
    8 1806 100.0   344 5   ADY31866   Ady31866 Novel hum
    9 1806 100.0   344 6   ABO17803   Abo17803 Novel hum
   10 1806 100.0   344 6   ABU80801   Abu80801 Human PRO
   11 1806 100.0   344 6   ABO25175   Abo25175 Novel hum
   12 1806 100.0   344 6   ABO25275   Abo25275 Novel hum
   13 1806 100.0   344 6   ABO33767   Abo33767 Novel hum
   14 1806 100.0   344 6   ABU81057   Abu81057 Human PRO
   15 1806 100.0   344 6   ABU72281   Abu72281 Novel hum
   16 1806 100.0   344 6   ABU66757   Abu66757 Human PRO
   17 1806 100.0   344 6   ABU67293   Abu67293 Novel hum
   18 1806 100.0   344 6   ABU84961   Abu84961 Human sec
   19 1806 100.0   344 6   ABU59838   Abu59838 Novel sec
   20 1806 100.0   344 6   ABU61159   Abu61159 Human PRO
   21 1806 100.0   344 6   ABO25028   Abo25028 Human sec
   22 1806 100.0   344 6   ABU72061   Abu72061 Novel hum
   23 1806 100.0   344 6   ABU67162   Abu67162 Novel hum
   24 1806 100.0   344 6   ABU80428   Abu80428 Human sec
   25 1806 100.0   344 6   ABU82110   Abu82110 Novel hum
   26 1806 100.0   344 6   ABU67033   Abu67033 Human sec
   27 1806 100.0   344 6   ABU79804   Abu79804 Human sec
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   29 1806 100.0   344 6   ADA76326   Ada76326 Human PRO
   30 1806 100.0   344 6   ABJ72290   Abj72290 Human PRO
   31 1806 100.0   344 6   ADA18976   Ada18976 Human PRO
   32 1806 100.0   344 6   ADA61599   Ada61599 Homo sapi

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70	1806	100.0	344	6	ABJ72418	Abj72418 Human PRO
71	1806	100.0	344	6	ADA61036	Ada61036 Homo sapi
72	1806	100.0	344	6	ADB24183	Adb24183 Human PRO
73	1806	100.0	344	6	ADA96512	Ada96512 Human PRO
74	1806	100.0	344	6	ADA81084	Ada81084 Human PRO
75	1806	100.0	344	6	ADA95960	Ada95960 Human PRO
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89	1806	100.0	344	7	ADA97616	Ada97616 Human PRO
90	1806	100.0	344	7	ADB27373	Adb27373 Human PRO
91	1806	100.0	344	7	ADB22306	Adb22306 Novel hum
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93	1806	100.0	344	7	ABJ72120	Abj72120 Human mem
94	1806	100.0	344	7	ADA66997	Ada66997 Human PRO
95	1806	100.0	344	7	ADB22858	Adb22858 Human PRO
96	1806	100.0	344	7	ADB23631	Adb23631 Human PRO
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98	1806	100.0	344	7	ADB15416	Adb15416 Human PRO
99	1806	100.0	344	7	ADB83616	Adb83616 Novel hum
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103	1806	100.0	344	7	ADB78345	Adb78345 Novel hum
104	1806	100.0	344	7	ADB38116	Adb38116 Novel hum
105	1806	100.0	344	7	ADB66588	Adb66588 Novel hum
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110	1806	100.0	344	7	ADB78099	Adb78099 Novel hum
111	1806	100.0	344	7	ADB74029	Adb74029 Human PRO
112	1806	100.0	344	7	ADB87165	Adb87165 Human PRO
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116	1806	100.0	344	7	ADB86731	Adb86731 Human PRO
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123	1806	100.0	344	7	ADB35045	Adb35045 Human PRO
124	1806	100.0	344	7	ADB36149	Adb36149 Human PRO
125	1806	100.0	344	7	ADB46544	Adb46544 Novel hum
126	1806	100.0	344	7	ADC44171	Adc44171 Human sec
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128	1806	100.0	344	7	ADC63895	Adc63895 Human sec
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134	1806	100.0	344	7	ADC67619	Adc67619 Human sec
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137	1806	100.0	344	7	ADC42188	Adc42188 Human sec
138	1806	100.0	344	7	ADC21845	Adc21845 Human PRO
139	1806	100.0	344	7	ADC50417	Adc50417 Novel hum
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156	1806	100.0	344	7	ADC47198	Adc47198 Novel hum
157	1806	100.0	344	7	ADD03201	Add03201 Novel hum
158	1806	100.0	344	7	ADC90193	Adc90193 Novel hum
159	1806	100.0	344	7	ADC69612	Adc69612 Human PRO
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161	1806	100.0	344	7	ADD10030	Add10030 Human PRO
162	1806	100.0	344	7	ADC78073	Adc78073 Novel hum
163	1806	100.0	344	7	ADD04605	Add04605 Novel hum
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167	1806	100.0	344	7	ADD10345	Add10345 Human sec
168	1806	100.0	344	7	ADC47949	Adc47949 Human PRO
169	1806	100.0	344	7	ADC77827	Adc77827 Novel hum
170	1806	100.0	344	7	ADC80009	Adc80009 Novel hum
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172	1806	100.0	344	7	ADD09478	Add09478 Human PRO
173	1806	100.0	344	7	ADD50790	Add50790 Novel hum
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175	1806	100.0	344	7	ADD52330	Add52330 Human PRO
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182	1806	100.0	344	7	ADD50517	Add50517 Human PRO
183	1806	100.0	344	7	ADD02011	Add02011 Human PRO
184	1806	100.0	344	7	ADD54193	Add54193 Novel hum
185	1806	100.0	344	7	ADD50271	Add50271 Human PRO
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192	1806	100.0	344	7	ADE22249	Ade22249 Human PRO
193	1806	100.0	344	7	ADD79473	Add79473 Human PRO
194	1806	100.0	344	7	ADE35611	Ade35611 Human sec

195	1806	100.0	344	7	ADE16725	Ade16725 Human sec
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199	1806	100.0	344	7	ADD91958	Add91958 Human PRO
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206	1806	100.0	344	7	ADE18930	Ade18930 Human PRO
207	1806	100.0	344	7	ADE43126	Ade43126 Human PRO
208	1806	100.0	344	7	ADD95915	Add95915 Human PRO
209	1806	100.0	344	7	ADE22801	Ade22801 Human PRO
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212	1806	100.0	344	7	ADE42561	Ade42561 Human PRO
213	1806	100.0	344	7	ADE17349	Ade17349 Human sec
214	1806	100.0	344	7	ADD80577	Add80577 Human PRO
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227	1806	100.0	344	7	ADG63785	Adg63785 Human sec
228	1806	100.0	344	7	ADH55306	Adh55306 Novel hum
229	1806	100.0	344	7	ADH55858	Adh55858 Novel hum
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243	1806	100.0	344	8	ADE21000	Ade21000 Novel hum
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247	1806	100.0	344	8	ADD75819	Add75819 Novel hum
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258	1806	100.0	344	8	ADD78423	Add78423 Novel hum
259	1806	100.0	344	8	ADE41306	Ade41306 Human sec
260	1806	100.0	344	8	ADE23353	Ade23353 Human PRO
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262	1806	100.0	344	8	ADD77361	Add77361 Novel hum
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267	1806	100.0	344	8	ADD76065	Add76065 Novel hum
268	1806	100.0	344	8	ADD85557	Add85557 Novel hum
269	1806	100.0	344	8	ADE23905	Ade23905 Human PRO
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272	1806	100.0	344	8	ADE05106	Ade05106 Human PRO
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274	1806	100.0	344	8	ADD76863	Add76863 Novel hum
275	1806	100.0	344	8	ADD86631	Add86631 Novel hum

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277	1806	100.0	344	8	ADE41199	Ade41199	Human	sec
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279	1806	100.0	344	8	ADE18378	Ade18378	Human	PRO
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284	1806	100.0	344	8	ADD85311	Add85311	Novel	hum
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286	1806	100.0	344	8	ADD74581	Add74581	Human	PRO
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288	1806	100.0	344	8	ADD85803	Add85803	Novel	hum
289	1806	100.0	344	8	ADE05352	Ade05352	Human	PRO
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291	1806	100.0	344	8	ADF61598	Adf61598	Human	sec
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293	1806	100.0	344	8	ADF46086	Adf46086	Human	sec
294	1806	100.0	344	8	ADE94707	Ade94707	Human	PRO
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296	1806	100.0	344	8	ADE95259	Ade95259	Human	PRO
297	1806	100.0	344	8	ADE93369	Ade93369	Human	PRO
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305	1806	100.0	344	8	ADE92265	Ade92265	Novel	hum
306	1806	100.0	344	8	ADE90566	Ade90566	Human	PRO
307	1806	100.0	344	8	ADF41538	Adf41538	Human	sec
308	1806	100.0	344	8	ADF33217	Adf33217	Human	sec
309	1806	100.0	344	8	ADF25583	Adf25583	Human	sec
310	1806	100.0	344	8	ADF26684	Adf26684	Human	sec
311	1806	100.0	344	8	ADF34473	Adf34473	Human	sec
312	1806	100.0	344	8	ADF46710	Adf46710	Human	sec
313	1806	100.0	344	8	ADE91713	Ade91713	Novel	hum
314	1806	100.0	344	8	ADG05639	Adg05639	Novel	hum
315	1806	100.0	344	8	ADG27193	Adg27193	Human	PRO
316	1806	100.0	344	8	ADG02292	Adg02292	Human	PRO
317	1806	100.0	344	8	ADG22078	Adg22078	Novel	hum
318	1806	100.0	344	8	ADG20148	Adg20148	Human	PRO
319	1806	100.0	344	8	ADF98054	Adf98054	Human	PRO
320	1806	100.0	344	8	ADG24271	Adg24271	Novel	hum
321	1806	100.0	344	8	ADF98625	Adf98625	Human	PRO
322	1806	100.0	344	8	ADG03456	Adg03456	Human	PRO
323	1806	100.0	344	8	ADF99177	Adf99177	Human	PRO
324	1806	100.0	344	8	ADG16762	Adg16762	Human	PRO
325	1806	100.0	344	8	ADG05221	Adg05221	Human	PRO
326	1806	100.0	344	8	ADG19488	Adg19488	Human	PRO
327	1806	100.0	344	8	ADG11256	Adg11256	Novel	hum
328	1806	100.0	344	8	ADG13325	Adg13325	Human	PRO
329	1806	100.0	344	8	ADG08382	Adg08382	Novel	hum
330	1806	100.0	344	8	ADG15552	Adg15552	Human	PRO
331	1806	100.0	344	8	ADG12035	Adg12035	Novel	hum
332	1806	100.0	344	8	ADF96950	Adf96950	Human	PRO
333	1806	100.0	344	8	ADG06135	Adg06135	Human	PRO
334	1806	100.0	344	8	ADG23719	Adg23719	Novel	hum
335	1806	100.0	344	8	ADG04008	Adg04008	Human	PRO
336	1806	100.0	344	8	ADG24909	Adg24909	Novel	hum
337	1806	100.0	344	8	ADF94592	Adf94592	Novel	hum
338	1806	100.0	344	8	ADG07206	Adg07206	Novel	hum
339	1806	100.0	344	8	ADG07758	Adg07758	Novel	hum
340	1806	100.0	344	8	ADG06688	Adg06688	Human	PRO
341	1806	100.0	344	8	ADG55253	Adg55253	Novel	hum
342	1806	100.0	344	8	ADG60917	Adg60917	Novel	hum
343	1806	100.0	344	8	ADG62021	Adg62021	Novel	hum
344	1806	100.0	344	8	ADG82222	Adg82222	Human	PRO
345	1806	100.0	344	8	ADG57461	Adg57461	Novel	hum
346	1806	100.0	344	8	ADG56909	Adg56909	Novel	hum
347	1806	100.0	344	8	ADG55805	Adg55805	Novel	hum
348	1806	100.0	344	8	ADG58565	Adg58565	Novel	hum
349	1806	100.0	344	8	ADG70931	Adg70931	Novel	hum
350	1806	100.0	344	8	ADH39032	Adh39032	Novel	hum
351	1806	100.0	344	8	ADG58013	Adg58013	Novel	hum
352	1806	100.0	344	8	ADG53597	Adg53597	Novel	hum
353	1806	100.0	344	8	ADG71483	Adg71483	Novel	hum
354	1806	100.0	344	8	ADG50696	Adg50696	Human	sec
355	1806	100.0	344	8	ADG81670	Adg81670	Human	PRO
356	1806	100.0	344	8	ADH30632	Adh30632	Human	PRO

357	1806	100.0	344	8	ADG63634	Adg63634 Human sec
358	1806	100.0	344	8	ADH11999	Adh11999 Novel hum
359	1806	100.0	344	8	ADG50072	Adg50072 Human sec
360	1806	100.0	344	8	ADG51944	Adg51944 Human sec
361	1806	100.0	344	8	ADG52421	Adg52421 Novel hum
362	1806	100.0	344	8	ADG54149	Adg54149 Novel hum
363	1806	100.0	344	8	ADG49448	Adg49448 Human sec
364	1806	100.0	344	8	ADG81118	Adg81118 Human PRO
365	1806	100.0	344	8	ADG56357	Adg56357 Novel hum
366	1806	100.0	344	8	ADH12623	Adh12623 Novel hum
367	1806	100.0	344	8	ADG48824	Adg48824 Human sec
368	1806	100.0	344	8	ADG61469	Adg61469 Novel hum
369	1806	100.0	344	8	ADH28556	Adh28556 Human PRO
370	1806	100.0	344	8	ADG54701	Adg54701 Novel hum
371	1806	100.0	344	8	ADG59741	Adg59741 Novel hum
372	1806	100.0	344	8	ADG51320	Adg51320 Human sec
373	1806	100.0	344	8	ADH43489	Adh43489 Human PRO
374	1806	100.0	344	8	ADG59264	Adg59264 Human sec
375	1806	100.0	344	8	ADG34122	Adg34122 Novel hum
376	1806	100.0	344	8	ADG62720	Adg62720 Human sec
377	1806	100.0	344	8	ADI81165	Adi81165 Human PRO
378	1806	100.0	344	8	ADI33592	Adi33592 Human PRO
379	1806	100.0	344	8	ADH69686	Adh69686 Human PRO
380	1806	100.0	344	8	ADH25745	Adh25745 Human PRO
381	1806	100.0	344	8	ADG09908	Adg09908 Novel hum
382	1806	100.0	344	8	ADI15379	Adi15379 Novel hum
383	1806	100.0	344	8	ADG09256	Adg09256 Novel hum
384	1806	100.0	344	8	ADI14711	Adi14711 Novel hum
385	1806	100.0	344	8	ADI29847	Adi29847 Novel hum
386	1806	100.0	344	8	ADI18306	Adi18306 Novel hum
387	1806	100.0	344	8	ADM27244	Adm27244 Novel hum
388	1806	100.0	344	8	ADJ63587	Adj63587 Novel hum
389	1806	100.0	344	8	ADJ77482	Adj77482 Human PRO
390	1806	100.0	344	8	ADK82834	Adk82834 Human PRO
391	1806	100.0	344	8	ADK66602	Adk66602 Human PRO
392	1806	100.0	344	8	ADJ65604	Adj65604 Human PRO
393	1806	100.0	344	8	ADM27740	Adm27740 Human PRO
394	1806	100.0	344	8	ADM17522	Adm17522 Human sec
395	1806	100.0	344	8	ADL07356	Adl07356 Human sec
396	1806	100.0	344	8	ADM42464	Adm42464 Human PRO
397	1806	100.0	344	8	ADM28326	Adm28326 Human PRO
398	1806	100.0	344	8	ADI95808	Adi95808 Human PRO
399	1806	100.0	344	8	ADI96360	Adi96360 Novel hum
400	1806	100.0	344	8	ADS32312	Ads32312 Novel hum
401	1806	100.0	344	8	ADT03296	Adt03296 Human PRO
402	1806	100.0	344	8	ADU50478	Adu50478 PRO337, S
403	1806	100.0	344	9	ADW49757	Adw49757 PRO337 pr
404	1806	100.0	344	9	ADZ03347	Adz03347 Human sec
405	1806	100.0	344	9	ADZ52418	Adz52418 Human sec
406	1806	100.0	344	9	AEB14093	Aeb14093 Cancer ce
407	1806	100.0	344	9	AED48246	Aed48246 Human PRO
408	1806	100.0	344	9	AED86291	Aed86291 Human PRO
409	1806	100.0	355	4	AAM40499	Aam40499 Human pol
410	1806	100.0	355	7	ADI21580	Adi21580 Novel hum
411	1799	99.6	344	3	AAB19722	Aab19722 Human SEC
412	1799	99.6	344	3	AAB19721	Aab19721 Human SEC
413	1799	99.6	344	7	ADD18291	Add18291 Human mol
414	1799	99.6	344	7	ADD18289	Add18289 Human mol
415	1791.5	99.2	343	2	AAY41773	Aay41773 Human PRO
416	1665.5	92.2	344	4	AAM38713	Aam38713 Human pol
417	1665.5	92.2	344	6	ABJ20227	Abj20227 Human IG
418	1665.5	92.2	344	6	ABU56719	Abu56719 Lung canc
419	1665.5	92.2	344	7	ADG63209	Adg63209 Human neu
420	1665.5	92.2	344	7	ADN39138	Adn39138 Cancer/an
421	1650	91.4	355	7	ADG63211	Adg63211 Human neu
422	1650	91.4	355	7	ADI35770	Adi35770 Human neu
423	1644	91.0	367	7	ADG63213	Adg63213 Human neu
424	1643	91.0	381	5	AAU79205	Aau79205 Human Kru
425	1642	90.9	313	3	AAY57602	Aay57602 Human pro
426	1639.5	90.8	344	7	ADI35772	Adi35772 Rat neuro
427	1639.5	90.8	376	7	ADG63215	Adg63215 Human neu
428	1295.5	71.7	338	7	ADE07928	Ade07928 Novel pro
429	1295	71.7	250	8	ADO47380	Ado47380 Human neu
430	1268	70.2	345	6	ABJ20236	Abj20236 Human IG
431	1268	70.2	345	7	ADE83448	Ade83448 Human Pro
432	1268	70.2	345	7	ADG63207	Adg63207 Opioid-bi
433	1268	70.2	345	9	ADV73205	Adv73205 Human col
434	1259	69.7	345	7	ADE83446	Ade83446 Rat Prote
435	932.5	51.6	335	5	AAO19641	Aao19641 Human lim
436	931.5	51.6	338	6	ABJ20235	Abj20235 Human IG
437	931.5	51.6	338	8	ADL12675	Adl12675 Human ste

438	931.5	51.6	338	9	ADX26265	Adx26265 Novel cel
439	926.5	51.3	338	2	AAW05153	Aaw05153 Rat LAMP
440	926.5	51.3	338	2	AAW05154	Aaw05154 Rat LAMP
441	926.5	51.3	338	9	ADX26409	Adx26409 Novel cel
442	925.5	51.2	334	9	AEA26105	Aea26105 Human ren
443	923.5	51.1	325	2	AAW05152	Aaw05152 Human LAM
444	913	50.6	361	2	AAW05172	Aaw05172 Rat LAMP
445	908	50.3	308	2	AAW05157	Aaw05157 Human LAM
446	907	50.2	315	2	AAW05158	Aaw05158 Rat LAMP
447	905	50.1	310	2	AAW05156	Aaw05156 Rat matur
448	902	49.9	304	2	AAW05155	Aaw05155 Human mat
449	894	49.5	341	9	ADX26335	Adx26335 Novel cel
450	893	49.4	383	6	ABR39441	Abr39441 Human GEN
451	886.5	49.1	287	2	AAW05159	Aaw05159 Human LAM
452	885.5	49.0	287	2	AAW05160	Aaw05160 Rat LAMP
453	873.5	48.4	203	7	ADM47275	Adm47275 Oestrogen
454	852.5	47.2	326	4	AAG75020	Aag75020 Human col
455	823	45.6	354	4	AAB31212	Aab31212 Amino aci
456	823	45.6	354	5	ABP53580	Abp53580 Human NOV
457	823	45.6	354	5	AAU83592	Aau83592 Human PRO
458	823	45.6	354	5	ADI28023	Adi28023 ECMCAD pr
459	823	45.6	354	5	ADY31742	Ady31742 Novel hum
460	823	45.6	354	6	ABU80739	Abu80739 Human PRO
461	823	45.6	354	6	ABO25183	Abo25183 Novel hum
462	823	45.6	354	6	ABO33705	Abo33705 Novel hum
463	823	45.6	354	6	ABU67301	Abu67301 Novel hum
464	823	45.6	354	6	ABU72069	Abu72069 Novel hum
465	823	45.6	354	6	ABU67170	Abu67170 Novel hum
466	823	45.6	354	6	ABU82048	Abu82048 Novel hum
467	823	45.6	354	6	ABU79812	Abu79812 Human sec
468	823	45.6	354	6	ABJ72228	Abj72228 Human PRO
469	823	45.6	354	6	ADA47302	Ada47302 Human sec
470	823	45.6	354	6	ABJ72356	Abj72356 Human PRO
471	823	45.6	354	6	ABO34251	Abo34251 Human sec
472	823	45.6	354	7	ABO19870	Abo19870 Human sec
473	823	45.6	354	7	ABJ72058	Abj72058 Human mem
474	823	45.6	354	7	ADB83492	Adb83492 Novel hum
475	823	45.6	354	7	ADB80598	Adb80598 Novel hum
476	823	45.6	354	7	ADB73139	Adb73139 Novel hum
477	823	45.6	354	7	ADB78221	Adb78221 Novel hum
478	823	45.6	354	7	ADB84869	Adb84869 Human PRO
479	823	45.6	354	7	ADB77975	Adb77975 Novel hum
480	823	45.6	354	7	ADB87041	Adb87041 Human PRO
481	823	45.6	354	7	ADB84623	Adb84623 Human PRO
482	823	45.6	354	7	ADB83738	Adb83738 Novel hum
483	823	45.6	354	7	ADB72893	Adb72893 Novel hum
484	823	45.6	354	7	ADC36731	Adc36731 Human PRO
485	823	45.6	354	7	ADC21721	Adc21721 Human PRO
486	823	45.6	354	7	ADC49752	Adc49752 Novel hum
487	823	45.6	354	7	ADC48951	Adc48951 Novel hum
488	823	45.6	354	7	ADC49468	Adc49468 Novel hum
489	823	45.6	354	7	ADC47329	Adc47329 Novel hum
490	823	45.6	354	7	ADC47074	Adc47074 Novel hum
491	823	45.6	354	7	ADC77949	Adc77949 Novel hum
492	823	45.6	354	7	ADD06184	Add06184 Novel hum
493	823	45.6	354	7	ADC77703	Adc77703 Novel hum
494	823	45.6	354	7	ADD50666	Add50666 Novel hum
495	823	45.6	354	7	ADD50912	Add50912 Novel hum
496	823	45.6	354	7	ADD50393	Add50393 Human PRO
497	823	45.6	354	7	ADD50147	Add50147 Human PRO
498	823	45.6	354	7	ADD51158	Add51158 Novel hum
499	823	45.6	354	7	ADG63811	Adg63811 Human sec
500	823	45.6	354	8	ADC48705	Adc48705 Novel hum
501	823	45.6	354	8	ADE20876	Ade20876 Novel hum
502	823	45.6	354	8	ADE05720	Ade05720 Human PRO
503	823	45.6	354	8	ADD74949	Add74949 Human PRO
504	823	45.6	354	8	ADD75695	Add75695 Novel hum
505	823	45.6	354	8	ADD84927	Add84927 Novel hum
506	823	45.6	354	8	ADD86753	Add86753 Novel hum
507	823	45.6	354	8	ADE20630	Ade20630 Novel hum
508	823	45.6	354	8	ADE38927	Ade38927 Novel hum
509	823	45.6	354	8	ADE05474	Ade05474 Human PRO
510	823	45.6	354	8	ADD73459	Add73459 Human PRO
511	823	45.6	354	8	ADD78299	Add78299 Novel hum
512	823	45.6	354	8	ADE21122	Ade21122 Novel hum
513	823	45.6	354	8	ADD77237	Add77237 Novel hum
514	823	45.6	354	8	ADE20384	Ade20384 Novel hum
515	823	45.6	354	8	ADD75449	Add75449 Human PRO
516	823	45.6	354	8	ADD73965	Add73965 Human PRO
517	823	45.6	354	8	ADD74211	Add74211 Human PRO
518	823	45.6	354	8	ADD75941	Add75941 Novel hum

519	823	45.6	354	8	ADD85433	Add85433 Novel hum
520	823	45.6	354	8	ADE04982	Ade04982 Human PRO
521	823	45.6	354	8	ADD75195	Add75195 Human PRO
522	823	45.6	354	8	ADD76739	Add76739 Novel hum
523	823	45.6	354	8	ADD86507	Add86507 Novel hum
524	823	45.6	354	8	ADE41225	Ade41225 Human sec
525	823	45.6	354	8	ADD77975	Add77975 Novel hum
526	823	45.6	354	8	ADD77483	Add77483 Novel hum
527	823	45.6	354	8	ADD77729	Add77729 Novel hum
528	823	45.6	354	8	ADD85187	Add85187 Novel hum
529	823	45.6	354	8	ADD73719	Add73719 Human PRO
530	823	45.6	354	8	ADD74457	Add74457 Human PRO
531	823	45.6	354	8	ADD76985	Add76985 Novel hum
532	823	45.6	354	8	ADD85679	Add85679 Novel hum
533	823	45.6	354	8	ADE05228	Ade05228 Human PRO
534	823	45.6	354	8	ADD74703	Add74703 Human PRO
535	823	45.6	354	8	ADG05515	Adg05515 Novel hum
536	823	45.6	354	8	ADG27069	Adg27069 Human PRO
537	823	45.6	354	8	ADG11132	Adg11132 Novel hum
538	823	45.6	354	8	ADG11911	Adg11911 Novel hum
539	823	45.6	354	8	ADF94468	Adf94468 Novel hum
540	823	45.6	354	8	ADG06564	Adg06564 Human PRO
541	823	45.6	354	8	ADH38908	Adh38908 Novel hum
542	823	45.6	354	8	ADG63659	Adg63659 Human sec
543	823	45.6	354	8	ADG33998	Adg33998 Novel hum
544	823	45.6	354	8	ADI33468	Adi33468 Human PRO
545	823	45.6	354	8	ADH69562	Adh69562 Human PRO
546	823	45.6	354	8	ADI29723	Adi29723 Human PRO
547	823	45.6	354	8	ADM27120	Adm27120 Novel hum
548	823	45.6	354	8	ADK66478	Adk66478 Human PRO
549	823	45.6	354	8	ADS82050	Ads82050 Human can
550	822	45.5	354	5	ABB98407	Abb98407 Human NOV
551	820	45.4	354	7	ADB64811	Adb64811 Human pro
552	819	45.3	354	5	ABP53581	Abp53581 Human NOV
553	815	45.1	348	6	ABJ20234	Abj20234 Human IG
554	815	45.1	348	6	ABJ20233	Abj20233 Human IG
555	815	45.1	352	3	AAB44331	Aab44331 Human PRO
556	815	45.1	352	6	ABO25277	Abo25277 Novel hum
557	815	45.1	352	6	ABU72283	Abu72283 Novel hum
558	815	45.1	352	6	ABU09489	Abu09489 Human sec
559	815	45.1	352	6	ABU61161	Abu61161 Human PRO
560	815	45.1	352	6	ABU80430	Abu80430 Human sec
561	815	45.1	352	6	ADA25150	Ada25150 Novel hum
562	815	45.1	352	6	ABO19732	Abo19732 Novel hum
563	815	45.1	352	6	ADA12812	Ada12812 Human sec
564	815	45.1	352	6	ABO19623	Abo19623 Novel hum
565	815	45.1	352	7	ADB74118	Adb74118 Human PRO
566	815	45.1	352	7	ADB76834	Adb76834 Human PRO
567	815	45.1	352	7	ADC44260	Adc44260 Human sec
568	815	45.1	352	7	ADC62020	Adc62020 Human sec
569	815	45.1	352	7	ADC63984	Adc63984 Human sec
570	815	45.1	352	7	ADC67084	Adc67084 Human sec
571	815	45.1	352	7	ADC69208	Adc69208 Human sec
572	815	45.1	352	7	ADC63268	Adc63268 Human sec
573	815	45.1	352	7	ADC68333	Adc68333 Human sec
574	815	45.1	352	7	ADC41653	Adc41653 Human sec
575	815	45.1	352	7	ADC67708	Adc67708 Human sec
576	815	45.1	352	7	ADC62644	Adc62644 Human sec
577	815	45.1	352	7	ADC42277	Adc42277 Human sec
578	815	45.1	352	7	ADE49646	Ade49646 Human sec
579	815	45.1	352	7	ADE35700	Ade35700 Human sec
580	815	45.1	352	7	ADE16814	Ade16814 Human sec
581	815	45.1	352	7	ADD73429	Add73429 Human sec
582	815	45.1	352	7	ADD72787	Add72787 Human sec
583	815	45.1	352	7	ADE17438	Ade17438 Human sec
584	815	45.1	352	7	ADF47452	Adf47452 Human sec
585	815	45.1	352	7	ADG53209	Adg53209 Human sec
586	815	45.1	352	7	ADG60529	Adg60529 Human sec
587	815	45.1	352	7	ADI61289	Adi61289 Human sec
588	815	45.1	352	8	ADE48946	Ade48946 Human sec
589	815	45.1	352	8	ADE90047	Ade90047 Human sec
590	815	45.1	352	8	ADF61687	Adf61687 Human sec
591	815	45.1	352	8	ADF40379	Adf40379 Human sec
592	815	45.1	352	8	ADF46175	Adf46175 Human sec
593	815	45.1	352	8	ADF24571	Adf24571 Human sec
594	815	45.1	352	8	ADF41003	Adf41003 Human sec
595	815	45.1	352	8	ADF23947	Adf23947 Human sec
596	815	45.1	352	8	ADF33930	Adf33930 Human sec
597	815	45.1	352	8	ADF27397	Adf27397 Human sec
598	815	45.1	352	8	ADF28033	Adf28033 Human sec
599	815	45.1	352	8	ADF41627	Adf41627 Human sec

600	815	45.1	352	8	ADF33306	Adf33306 Human sec
601	815	45.1	352	8	ADF25672	Adf25672 Human sec
602	815	45.1	352	8	ADF26773	Adf26773 Human sec
603	815	45.1	352	8	ADF34562	Adf34562 Human sec
604	815	45.1	352	8	ADF46799	Adf46799 Human sec
605	815	45.1	352	8	ADG50785	Adg50785 Human sec
606	815	45.1	352	8	ADG50161	Adg50161 Human sec
607	815	45.1	352	8	ADG52033	Adg52033 Human sec
608	815	45.1	352	8	ADG49537	Adg49537 Human sec
609	815	45.1	352	8	ADG48913	Adg48913 Human sec
610	815	45.1	352	8	ADG51409	Adg51409 Human sec
611	815	45.1	352	8	ADG59353	Adg59353 Human sec
612	815	45.1	352	8	ADG62809	Adg62809 Human sec
613	815	45.1	352	8	ADM17611	Adm17611 Human sec
614	815	45.1	352	8	ADL07445	Adl07445 Human sec
615	815	45.1	352	8	ADU50567	Adu50567 PRO4993,
616	815	45.1	352	9	ADW49846	Adw49846 PRO4993 p
617	815	45.1	352	9	ADZ52507	Adz52507 Human sec
618	815	45.1	352	9	AED48335	Aed48335 Human PRO
619	796.5	44.1	252	2	AAW05167	Aaw05167 Human LAM
620	795.5	44.0	252	2	AAW05168	Aaw05168 Rat LAMP
621	763	42.2	336	5	ABG96271	Abg96271 Human imm
622	763	42.2	336	6	AAE29924	Aae29924 Human LP2
623	763	42.2	336	8	ADH71418	Adh71418 Human pro
624	763	42.2	336	8	ADH71412	Adh71412 Human pro
625	763	42.2	336	8	ADH71414	Adh71414 Human pro
626	763	42.2	344	8	ADH71388	Adh71388 Human pro
627	762	42.2	325	8	ADH71390	Adh71390 Human pro
628	761	42.1	306	6	AAE30252	Aae30252 Human LP2
629	761	42.1	307	8	ADH71402	Adh71402 Human pro
630	761	42.1	309	8	ADH71410	Adh71410 Human pro
631	761	42.1	309	8	ADH71406	Adh71406 Human pro
632	761	42.1	314	6	AAE30253	Aae30253 Human LP2
633	761	42.1	315	8	ADH71394	Adh71394 Human pro
634	761	42.1	319	5	ABG94637	Abg94637 Human NOV
635	761	42.1	319	5	ABG94636	Abg94636 Human NOV
636	761	42.1	319	7	ADL35977	Adl35977 Human NOV
637	761	42.1	319	7	ADL35979	Adl35979 Human NOV
638	761	42.1	319	8	ADH71400	Adh71400 Human pro
639	761	42.1	319	8	ADH71396	Adh71396 Human pro
640	761	42.1	320	8	ADH71416	Adh71416 Human pro
641	761	42.1	325	8	ADH71398	Adh71398 Human pro
642	760	42.1	336	8	ADH71422	Adh71422 Human pro
643	760	42.1	336	8	ADH71386	Adh71386 Human pro
644	757	41.9	307	5	ABG94638	Abg94638 Human NOV
645	757	41.9	319	8	ADH71404	Adh71404 Human pro
646	757	41.9	336	8	ADH71420	Adh71420 Human pro
647	752.5	41.7	278	8	ADP29916	Adp29916 Human sec
648	752.5	41.7	284	6	AAE30254	Aae30254 Human LP2
649	752.5	41.7	291	6	AAE30256	Aae30256 Human LP2
650	752.5	41.7	292	6	AAE30255	Aae30255 Human LP2
651	727	40.3	305	7	ADL35981	Adl35981 Human NOV
652	726	40.2	336	5	AAU84386	Aau84386 Novel hum
653	721	39.9	336	5	ABG94639	Abg94639 Human NOV
654	721	39.9	336	8	ADH71408	Adh71408 Human pro
655	720.5	39.9	281	4	ABB10253	Abb10253 Human cDN
656	720.5	39.9	281	5	ABP66840	Abp66840 Human pol
657	712	39.4	336	7	ADL35983	Adl35983 Human NOV
658	687.5	38.1	253	8	ADH71392	Adh71392 Human pro
659	681.5	37.7	351	5	AAU84385	Aau84385 Novel hum
660	603	33.4	141	4	ABG13848	Abg13848 Novel hum
661	603	33.4	294	6	AAE30271	Aae30271 Human LP3
662	600	33.2	286	6	AAE30270	Aae30270 Human LP3
663	599.5	33.2	222	8	ADP29917	Adp29917 Human sec
664	569.5	31.5	130	4	ABG13847	Abg13847 Novel hum
665	527	29.2	234	6	AAE30269	Aae30269 Human LP3
666	527	29.2	256	6	AAE29927	Aae29927 Human LP3
667	525.5	29.1	872	4	ABG13816	Abg13816 Novel hum
668	525.5	29.1	872	7	ADE08994	Ade08994 Novel pro
669	505	28.0	226	6	AAE30268	Aae30268 Human LP3
670	472	26.1	211	6	AAE30264	Aae30264 Human LP3
671	472	26.1	222	6	AAE30265	Aae30265 Human LP3
672	472	26.1	241	6	AAE29926	Aae29926 Human LP3
673	338.5	18.7	413	4	ABB69485	Abb69485 Drosophil
674	333	18.4	315	4	ABB65642	Abb65642 Drosophil
675	306	16.9	545	4	ABB62574	Abb62574 Drosophil
676	297.5	16.5	333	4	ABB58947	Abb58947 Drosophil
677	290.5	16.1	2537	8	ADS10483	Ads10483 Human the
678	290.5	16.1	2537	8	ADS98860	Ads98860 Protein f
679	290.5	16.1	2572	6	ABU12083	Abu12083 Human NOV
680	290.5	16.1	2673	8	ADK60225	Adk60225 Angiogene

681	290.5	16.1	2673	8	ADK60526	Adk60526	Angiogene
682	290.5	16.1	2673	8	ADP73149	Adp73149	Angiogene
683	290.5	16.1	4495	6	ABU69135	Abu69135	Human NOV
684	290.5	16.1	4495	8	ADH72106	Adh72106	Human pro
685	290.5	16.1	4495	8	ADO08273	Ado08273	Human NOV
686	290.5	16.1	5636	7	ADJ70089	Adj70089	Human hea
687	290.5	16.1	5636	7	ADJ83137	Adj83137	Human hem
688	290.5	16.1	5636	8	ADK60205	Adk60205	Angiogene
689	290.5	16.1	5636	8	ADK60506	Adk60506	Angiogene
690	290.5	16.1	5636	8	ADP73129	Adp73129	Angiogene
691	289.5	16.0	1708	7	ADG39844	Adg39844	Protein s
692	289.5	16.0	1708	7	ADG39840	Adg39840	Protein s
693	288.5	16.0	707	6	ABU69134	Abu69134	Human NOV
694	288.5	16.0	707	8	ADH72102	Adh72102	Human pro
695	288.5	16.0	707	8	ADO08271	Ado08271	Human NOV
696	288.5	16.0	712	8	ADH72104	Adh72104	Human pro
697	288.5	16.0	961	6	ABU99129	Abu99129	Novel hum
698	288.5	16.0	961	8	ADM93823	Adm93823	Human NOV
699	288.5	16.0	1240	4	ABG03933	Abg03933	Novel hum
700	288.5	16.0	1336	5	AAB47771	Aab47771	Human thr
701	288.5	16.0	1902	6	ABU12084	Abu12084	Human NOV
702	288.5	16.0	1902	8	ADH72108	Adh72108	Human pro
703	288.5	16.0	1953	7	ADE16058	Ade16058	G-coupled
704	288.5	16.0	1953	8	ADL93997	Adl93997	Human G-c
705	288.5	16.0	3645	7	ADJ83136	Adj83136	Human hem
706	288.5	16.0	4126	9	ADY74314	Ady74314	Human hem
707	288.5	16.0	4126	8	AEB34668	Aeb34668	Human hem
708	288.5	16.0	5518	9	ADY74312	Ady74312	Human hem
709	288.5	16.0	5518	9	AEB34666	Aeb34666	Human hem
710	288.5	16.0	5622	9	AEB94406	Aeb94406	Human hem
711	288.5	16.0	5635	5	ABP60991	Abp60991	Novel hum
712	288.5	16.0	5636	9	AEC36829	Aec36829	Human fib
713	287.5	15.9	1708	7	ADG39841	Adg39841	Protein s
714	285	15.8	1353	7	ADS98072	Ads98072	Protein f
715	284.5	15.8	467	4	ABB63044	Abb63044	Drosophil
716	277.5	15.4	858	7	ADE63330	Ade63330	Rat Prote
717	277.5	15.4	858	9	ADZ00014	Adz00014	Rat neura
718	276	15.3	733	6	ADA55624	Ada55624	Human pro
719	276	15.3	761	7	ADE63332	Ade63332	Human Pro
720	276	15.3	848	3	AAY88565	Aay88565	Human NCA
721	276	15.3	848	5	AAE17222	Aae17222	Human 140
722	276	15.3	848	8	ADI24546	Adi24546	Human mod
723	276	15.3	848	9	ADV70189	Adv70189	Tumor-ass
724	276	15.3	848	9	ADZ26495	Adz26495	Human CD5
725	276	15.3	848	9	ADZ00015	Adz00015	Human neu
726	276	15.3	848	10	AEE26423	Aee26423	Human CD5
727	275.5	15.3	853	7	ADF28603	Adf28603	Bovine NC
728	275	15.2	90	7	ADL36019	Adl36019	Human NOV
729	275	15.2	848	7	ADD25619	Add25619	Binding d
730	275	15.2	848	9	ADW95933	Adw95933	Human CD5
731	275	15.2	848	9	ADX15799	Adx15799	Human CD5
732	274	15.2	1477	6	AAE37177	Aae37177	Human LRR
733	273.5	15.1	1356	5	ADH48824	Adh48824	NOV45B pr
734	271.5	15.0	1426	5	ADH48822	Adh48822	NOV45A pr
735	271	15.0	858	9	ADZ26717	Adz26717	Human CD5
736	271	15.0	858	10	AEE26425	Aee26425	Human CD5
737	271	15.0	859	7	AAO30845	Aao30845	Human cel
738	270	15.0	729	4	ABB68566	Abb68566	Drosophil
739	269	14.9	152	4	AAU18023	Aau18023	Human imm
740	269	14.9	152	7	ADB31647	Adb31647	Human nov
741	268.5	14.9	1469	8	ADR66889	Adr66889	Human pro
742	268.5	14.9	1469	8	ADR65991	Adr65991	Human pro
743	268.5	14.9	1479	8	ADL35717	Adl35717	Human per
744	268.5	14.9	1496	2	AAW81030	Aaw81030	Melanoma
745	268.5	14.9	1496	3	AAY70469	Aay70469	Human p53
746	268.5	14.9	1496	6	ABU03498	Abu03498	Angiogene
747	268.5	14.9	1496	7	ADD89024	Add89024	TAT264. 1
748	268.5	14.9	1496	7	ADF28706	Adf28706	Human per
749	268.5	14.9	1496	8	ADQ18902	Adq18902	Human sof
750	268.5	14.9	1496	8	ADQ89920	Adq89920	Antagonis
751	268.5	14.9	1496	8	ADQ89914	Adq89914	Antagonis
752	268.5	14.9	1496	8	ADR66092	Adr66092	Human pro
753	268.5	14.9	1496	8	ADR66434	Adr66434	Human pro
754	268.5	14.9	1498	4	ABB11587	Abb11587	Human per
755	268.5	14.9	1498	6	ABO00762	Abo00762	Polypepti
756	267	14.8	58	3	AAG02771	Aag02771	Human sec
757	266	14.7	36946	9	ADV97835	Adv97835	Murine pr
758	263	14.6	142	5	ABB97902	Abb97902	Human sec
759	261	14.5	1395	2	AAY13563	Aay13563	Drosophil
760	261	14.5	1395	2	AAY08401	Aay08401	Drosophil
761	261	14.5	1395	7	ADB85335	Adb85335	Fruitfly

762	260.5	14.4	496	4	ABB62052	Abb62052 Drosophil
763	260	14.4	1395	4	ABB68257	Abb68257 Drosophil
764	259	14.3	4412	3	AAY53666	Aay53666 Sequence
765	259	14.3	31267	6	ABG74786	Abg74786 Human RGS
766	259	14.3	34350	8	ADQ89964	Adq89964 Antagonis
767	258.5	14.3	381	8	ADM74171	Adm74171 Human NOV
768	256.5	14.2	404	7	ADM56387	Adm56387 Human cel
769	256	14.2	421	9	ADX44506	Adx44506 Human bet
770	256	14.2	444	2	AAY33741	Aay33741 Beta-secr
771	256	14.2	444	4	AAB47251	Aab47251 Beta-secr
772	256	14.2	444	9	ADX44510	Adx44510 Human bet
773	255	14.1	359	4	ABB63920	Abb63920 Drosophil
774	254.5	14.1	5175	8	ADN24208	Adn24208 Bacterial
775	254.5	14.1	5175	8	ADN24206	Adn24206 Bacterial
776	254.5	14.1	5198	8	ADN24207	Adn24207 Bacterial
777	254.5	14.1	5198	8	ADN24205	Adn24205 Bacterial
778	253.5	14.0	306	8	ADM74177	Adm74177 Human NOV
779	253.5	14.0	404	5	ABG66677	Abg66677 Human nov
780	253.5	14.0	404	6	ABJ20221	Abj20221 Human IG
781	253.5	14.0	404	8	ADF66751	Adf66751 Novel hum
782	253.5	14.0	404	8	ADI19788	Adi19788 Human NOV
783	253.5	14.0	404	8	ADO60261	Ado60261 Human NOV
784	253	14.0	568	8	ADO47378	Ado47378 Human neu
785	253	14.0	570	4	ABB76023	Abb76023 Neurotrim
786	253	14.0	586	4	ABB76018	Abb76018 Neurotrim
787	253	14.0	586	8	ADO47372	Ado47372 Human neu
788	251.5	13.9	404	6	ABO23244	Abo23244 Human bre
789	250.5	13.9	404	4	AAB61142	Aab61142 Human NOV
790	250.5	13.9	885	4	ABB61502	Abb61502 Drosophil
791	250	13.8	374	4	ABB76016	Abb76016 Neurotrim
792	250	13.8	374	8	ADO47381	Ado47381 Human neu
793	250	13.8	440	8	ADO47377	Ado47377 Human neu
794	250	13.8	442	4	ABB76022	Abb76022 Neurotrim
795	250	13.8	458	4	ABB76017	Abb76017 Neurotrim
796	250	13.8	458	8	ADO47369	Ado47369 Human neu
797	250	13.8	458	8	ADS10607	Ads10607 Human the
798	250	13.8	880	8	ADO47385	Ado47385 Human neu
799	250	13.8	886	7	AAO30844	Aao30844 Human cel
800	250	13.8	955	8	ADO47396	Ado47396 Human neu
801	250	13.8	955	8	ADO47383	Ado47383 Human neu
802	250	13.8	955	8	ADS10608	Ads10608 Human the
803	250	13.8	970	8	ADS11107	Ads11107 Human the
804	250	13.8	1219	4	ABG12100	Abg12100 Novel hum
805	250	13.8	1315	6	ABU52336	Abu52336 Human GPC
806	250	13.8	1315	8	ADH72138	Adh72138 Human pro
807	250	13.8	1315	8	ADL24007	Adl24007 Human NOV
808	250	13.8	1335	8	ADH72134	Adh72134 Human pro
809	250	13.8	1386	6	ABU52329	Abu52329 Human GPC
810	250	13.8	1386	8	ADL23993	Adl23993 Human NOV
811	249.5	13.8	1040	7	ADD47172	Add47172 Human Pro
812	249.5	13.8	1040	8	ADO28581	Ado28581 Human axo
813	249.5	13.8	1040	8	ABO84729	Abo84729 Human can
814	249.5	13.8	1040	8	ABO84728	Abo84728 Human can
815	248	13.7	467	4	ABB68882	Abb68882 Drosophil
816	246.5	13.6	1007	7	ADJ68312	Adj68312 Human hea
817	246.5	13.6	1018	2	AAR63759	Aar63759 Human con
818	246.5	13.6	1018	2	AAR87028	Aar87028 Human con
819	246.5	13.6	1018	7	ADE71113	Ade71113 Contactin
820	246.5	13.6	1018	8	ADJ75696	Adj75696 Marker ge
821	246.5	13.6	1018	8	ADO28659	Ado28659 Human CON
822	246.5	13.6	1018	8	ADP67246	Adp67246 Human F3/
823	245.5	13.6	1073	8	ADR66068	Adr66068 Human pro
824	245.5	13.6	1073	8	ADR66410	Adr66410 Human pro
825	244.5	13.5	512	6	ADA54925	Ada54925 Human pro
826	243.5	13.5	1018	2	AAW06485	Aaw06485 Rat conta
827	243.5	13.5	1021	7	ADE56173	Ade56173 Rat Prote
828	242.5	13.4	792	4	ABG03059	Abg03059 Novel hum
829	242.5	13.4	893	4	ABG00258	Abg00258 Novel hum
830	242.5	13.4	893	4	ABG00611	Abg00611 Novel hum
831	242	13.4	2586	5	ABG31317	Abg31317 Human 5+3
832	242	13.4	2586	5	ABG32891	Abg32891 Human ost
833	242	13.4	2586	8	ADL02231	Adl02231 Human OCP
834	242	13.4	2586	8	ADL02234	Adl02234 Human OCP
835	242	13.4	2587	5	AAB47935	Aab47935 Human OCP
836	242	13.4	2587	5	ABG32896	Abg32896 Human ost
837	242	13.4	2587	8	ADL02236	Adl02236 Human OCP
838	242	13.4	2589	5	ABG31323	Abg31323 Human OCP
839	242	13.4	2589	8	ADL02244	Adl02244 Human OCP
840	241.5	13.4	582	2	AAR92256	Aar92256 Neural ce
841	241.5	13.4	761	2	AAR92255	Aar92255 Neural ce
842	241.5	13.4	837	8	ADI24547	Adi24547 Human mod

843	241.5	13.4	1020	8	ADJ76385	Adj76385 Marker ge
844	241.5	13.4	1020	9	AEA55089	Aea55089 Mouse con
845	241.5	13.4	1020	9	AEA55056	Aea55056 Mouse con
846	241	13.3	891	4	ABG07536	Abg07536 Novel hum
847	241	13.3	2173	5	ABP69251	Abp69251 Human pol
848	240	13.3	3707	9	ADV70215	Adv70215 Tumor-ass
849	238.5	13.2	793	4	AAE00585	Aae00585 Human nuc
850	238.5	13.2	848	4	AAE00584	Aae00584 Human nuc
851	238.5	13.2	891	4	AAE00586	Aae00586 Human nuc
852	238.5	13.2	920	4	AAE00583	Aae00583 Human cel
853	238.5	13.2	946	4	AAE00582	Aae00582 Human nuc
854	238.5	13.2	1018	4	AAE00581	Aae00581 Human cel
855	237	13.1	73	2	AAW05161	Aaw05161 Human LAM
856	237	13.1	73	2	AAW05162	Aaw05162 Rat LAMP
857	235.5	13.0	632	8	ADR09877	Adr09877 Human pro
858	235.5	13.0	967	8	ADH71818	Adh71818 Human pro
859	235.5	13.0	2428	8	ADS10576	Ads10576 Human the
860	235.5	13.0	2623	8	ADL02252	Adl02252 Human OCP
861	235.5	13.0	2623	8	ADS10577	Ads10577 Human the
862	235	13.0	662	8	ADN24073	Adn24073 Bacterial
863	234.5	13.0	1040	7	ADD47171	Add47171 Rat Prote
864	233.5	12.9	1100	8	ADR67266	Adr67266 Human bla
865	232.5	12.9	967	8	ADH71816	Adh71816 Human pro
866	232.5	12.9	2783	8	ADN23691	Adn23691 Bacterial
867	232	12.8	2401	5	ABG69614	Abg69614 Human NOV
868	232	12.8	2447	5	ABG69619	Abg69619 Human NOV
869	232	12.8	2591	7	ADJ83065	Adj83065 Human NOV
870	232	12.8	2591	8	ADH71822	Adh71822 Human pro
871	232	12.8	2602	8	ADH71820	Adh71820 Human pro
872	232	12.8	2617	7	ADJ83055	Adj83055 Human NOV
873	232	12.8	2617	8	ADH71842	Adh71842 Human pro
874	232	12.8	2617	8	ADH71852	Adh71852 Human pro
875	232	12.8	2617	8	ADH71838	Adh71838 Human pro
876	232	12.8	2617	8	ADH71770	Adh71770 Human pro
877	232	12.8	2617	8	ADH71836	Adh71836 Human pro
878	232	12.8	2617	8	ADH71840	Adh71840 Human pro
879	232	12.8	2617	8	ADH71844	Adh71844 Human pro
880	232	12.8	2617	8	ADH71846	Adh71846 Human pro
881	232	12.8	2617	8	ADH71850	Adh71850 Human pro
882	232	12.8	2617	8	ADH71854	Adh71854 Human pro
883	232	12.8	2617	8	ADH71848	Adh71848 Human pro
884	232	12.8	3931	6	ABU07377	Abu07377 Human pro
885	231	12.8	1028	2	AAW29667	Aaw29667 Homo sapi
886	231	12.8	1028	8	ADP67247	Adp67247 Human NB-
887	231	12.8	3931	7	ADG39786	Adg39786 Human nov
888	230.5	12.8	861	9	AEC74506	Aec74506 Muscle-sp
889	230.5	12.8	868	2	AAW26507	Aaw26507 Rat Dmk r
890	230.5	12.8	868	2	AAW26610	Aaw26610 Rat muscl
891	230.5	12.8	961	8	ADH71830	Adh71830 Human pro
892	230.5	12.8	961	8	ADH71832	Adh71832 Human pro
893	230.5	12.8	1040	8	ABO84727	Abo84727 Mouse can
894	230.5	12.8	3475	8	ABO84469	Abo84469 Human can
895	230	12.7	1928	7	ADG39842	Adg39842 Protein s
896	230	12.7	1951	7	ADG39843	Adg39843 Protein s
897	230	12.7	3117	3	AAY53667	Aay53667 Sequence
898	230	12.7	4393	4	AAB31889	Aab31889 Amino aci
899	230	12.7	4393	8	ADL35758	Adl35758 Human per
900	230	12.7	4393	8	ADQ39442	Adq39442 Human myo
901	230	12.7	4419	9	AED74327	Aed74327 Human pla
902	230	12.7	4436	4	ABG23265	Abg23265 Novel hum
903	229.5	12.7	849	8	ADL16585	Adl16585 Human 282
904	229.5	12.7	851	8	ADL16586	Adl16586 Human 282
905	229.5	12.7	869	2	AAW26506	Aaw26506 Human Dmk
906	229.5	12.7	869	2	AAW26611	Aaw26611 Human mus
907	229.5	12.7	869	8	ADQ89844	Adq89844 Antagonis
908	229.5	12.7	893	8	ADL16446	Adl16446 Human 282
909	229.5	12.7	893	8	ADL16584	Adl16584 Human 282
910	229.5	12.7	893	8	ADL16625	Adl16625 Human 282
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912	229.5	12.7	1117	8	ADL16626	Adl16626 Human 282
913	229.5	12.7	1117	8	ADL16590	Adl16590 Human 282
914	229.5	12.7	1117	8	ADL16447	Adl16447 Human 282
915	229.5	12.7	1117	8	ADL16433	Adl16433 Human 282
916	229.5	12.7	1117	8	ADL16592	Adl16592 Human 282
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918	229.5	12.7	1183	8	ADL16604	Adl16604 Human 282
919	229.5	12.7	1183	8	ADL16628	Adl16628 Human 282
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953	229	12.7	4347	8	ADQ39439	Adq39439 Human myo
954	229	12.7	4370	7	ADJ69461	Adj69461 Human hea
955	228	12.6	1483	4	ABG16336	Abg16336 Novel hum
956	227.5	12.6	8523	9	ADV97842	Adv97842 Murine pr
957	227	12.6	1189	10	AEE80586	Aee80586 Human ova
958	227	12.6	1189	10	AEF71405	Aef71405 Human imm
959	226	12.5	717	9	AEF57722	Aef57722 Human sec
960	226	12.5	717	10	AEE80587	Aee80587 Human ova
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964	225.5	12.5	860	2	AAR92716	Aar92716 Mouse mus
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974	224.5	12.4	869	4	ABG74128	Abg74128 Human mus
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977	224.5	12.4	869	8	ADS17276	Ads17276 Human mus
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989	224.5	12.4	1224	8	ADN04062	Adn04062 Antipsori
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991	224.5	12.4	1224	8	ADR14776	Adr14776 Amino aci
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994	224.5	12.4	1645	4	ABG20008	Abg20008 Novel hum
995	224.5	12.4	1765	4	ABG22631	Abg22631 Novel hum
996	224.5	12.4	1944	4	ABG12017	Abg12017 Novel hum
997	224	12.4	68	6	AAE30259	Aae30259 Human LP2
998	224	12.4	434	4	ABG02117	Abg02117 Novel hum
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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on:           May 30, 2006, 10:40:31 ; Search time 39.2694 Seconds
                                           (without alignments)
                                           766.768 Million cell updates/sec

Title:            US-10-657-103-3
Perfect score:    1806
Sequence:         1 MKTIQPKMHNSISWAIFTGL.........RRAGCVWLLPLLVLHLLLKF 344

Scoring table:    BLOSUM62
                  Gapop 10.0 , Gapext 0.5

Searched:         650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters:       650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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                 Listing first 1000 summaries

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      Pred. No. is the number of results predicted by chance to have a
      score greater than or equal to the score of the result being printed,
      and is derived by analysis of the total score distribution.

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                %
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38	288.5	16.0	5518	2	US-09-953-096-2	Sequence 2, Appli
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42	267	14.8	58	2	US-09-513-999C-6852	Sequence 6852, Ap
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49	256	14.2	444	1	US-08-659-984A-5	Sequence 5, Appli
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GenCore version 5.1.8
                Copyright (c) 1993 - 2006  Biocceleration Ltd.


OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:41:00 ; Search time 127.756 Seconds
                                         (without alignments)
                                         1247.263 Million cell updates/sec

Title:          US-10-657-103 3
Perfect score:  1806
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Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters:      2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
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643	1806	100.0	344	4	US-10-140-024-376	Sequence 376, App
644	1806	100.0	344	4	US-10-013-917A-523	Sequence 523, App
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654	1806	100.0	344	5	US-10-152-388B-523	Sequence 523, App
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705	931.5	51.6	338	3	US-09-800-198-58	Sequence 58, Appl
706	931.5	51.6	338	4	US-10-161-572-58	Sequence 58, Appl
707	931.5	51.6	338	4	US-10-038-854-158	Sequence 158, App
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712	926.5	51.3	338	3	US-09-800-198-61	Sequence 61, Appl
713	926.5	51.3	338	4	US-10-042-865-91	Sequence 91, Appl
714	893	49.4	383	3	US-09-978-418-38	Sequence 38, Appl
715	893	49.4	383	5	US-10-485-231-38	Sequence 38, Appl
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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:42:25 ; Search time 9.42466 Seconds
                                           (without alignments)
                                           406.513 Million cell updates/sec

Title:           US-10-657-103⟨3⟩
Perfect score:   1806
Sequence:        1 MKTIQPKMHNSISWAIFTGL..........RRAGCVWLLPLLVLHLLLKF 344

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        56051 seqs, 11137335 residues

Total number of hits satisfying chosen parameters:      56051

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :       ⟨Published_Applications_AA_New:*⟩
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          Pred. No. is the number of results predicted by chance to have a
          score greater than or equal to the score of the result being printed,
          and is derived by analysis of the total score distribution.


                               SUMMARIES
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2	220.5	12.2	364	7	US-11-246-999-39	Sequence 39, Appl
3	220.5	12.2	440	6	US-10-196-749-34	Sequence 34, Appl
4	220.5	12.2	440	7	US-11-296-092-61	Sequence 61, Appl
5	220.5	12.2	442	7	US-11-246-999-136	Sequence 136, App
6	219	12.1	699	7	US-11-293-697-3322	Sequence 3322, Ap
7	218.5	12.1	1115	6	US-10-196-749-440	Sequence 440, App
8	207	11.5	600	7	US-11-293-697-4457	Sequence 4457, Ap
9	204.5	11.3	439	7	US-11-246-999-145	Sequence 145, App
10	203.5	11.3	807	7	US-11-293-697-4489	Sequence 4489, Ap
11	196.5	10.9	1180	6	US-10-505-928-459	Sequence 459, App
12	187	10.4	600	6	US-10-196-749-586	Sequence 586, App
13	186	10.3	708	6	US-10-196-749-584	Sequence 584, App
14	185.5	10.3	702	6	US-10-538-066-363	Sequence 363, App
15	182	10.1	531	7	US-11-180-855-2	Sequence 2, Appli
16	182	10.1	626	7	US-11-180-855-1	Sequence 1, Appli
17	176.5	9.8	777	7	US-11-293-697-3189	Sequence 3189, Ap
18	176	9.7	637	7	US-11-293-697-3198	Sequence 3198, Ap
19	173.5	9.6	544	6	US-10-196-749-118	Sequence 118, App
20	171.5	9.5	1338	6	US-10-505-928-634	Sequence 634, App
21	171.5	9.5	1338	6	US-10-505-928-857	Sequence 857, App
22	171	9.5	526	6	US-10-505-928-160	Sequence 160, App
23	163.5	9.1	582	7	US-11-301-554-334	Sequence 334, App
24	158.5	8.8	639	7	US-11-246-999-33	Sequence 33, Appl
25	157.5	8.7	697	7	US-11-246-999-149	Sequence 149, App
26	157	8.7	707	7	US-11-293-697-4774	Sequence 4774, Ap
27	150.5	8.3	1298	6	US-10-505-928-274	Sequence 274, App
28	147	8.1	394	6	US-10-538-066-754	Sequence 754, App
29	145	8.0	972	7	US-11-255-147-8	Sequence 8, Appli
30	143	7.9	416	7	US-11-293-697-4389	Sequence 4389, Ap
31	140	7.8	976	6	US-10-511-937-2423	Sequence 2423, Ap
32	136.5	7.6	738	6	US-10-511-937-2418	Sequence 2418, Ap
33	136	7.5	393	7	US-11-246-999-144	Sequence 144, App
34	136	7.5	903	7	US-11-293-697-2977	Sequence 2977, Ap

35	135	7.5	229	7	US-11-246-999-46	Sequence 46, Appl
36	129	7.1	417	6	US-10-505-928-664	Sequence 664, App
37	128	7.1	372	7	US-11-251-465-71	Sequence 71, Appl
38	128	7.1	806	7	US-11-251-465-22	Sequence 22, Appl
39	126.5	7.0	365	6	US-10-505-928-148	Sequence 148, App
40	124	6.9	993	6	US-10-511-937-2463	Sequence 2463, Ap
41	124	6.9	999	6	US-10-196-749-434	Sequence 434, App
42	121	6.7	340	7	US-11-180-855-3	Sequence 3, Appli
43	119.5	6.6	442	7	US-11-246-999-99	Sequence 99, Appl
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45	117	6.5	440	7	US-11-251-465-65	Sequence 65, Appl
46	117	6.5	449	7	US-11-251-465-68	Sequence 68, Appl
47	117	6.5	885	6	US-10-505-928-432	Sequence 432, App
48	117	6.5	885	7	US-11-251-465-20	Sequence 20, Appl
49	117	6.5	894	7	US-11-251-465-21	Sequence 21, Appl
50	115.5	6.4	526	7	US-11-246-999-121	Sequence 121, App

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OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:25:20 ; Search time 202.63 Seconds
                                          (without alignments)
                                  1570.375 Million cell updates/sec


Title:           US-10-657-103-③
Perfect score:   1806
Sequence:        1 MKTIQPKMHNSISWAIFTGL..........RRAGCVWLLPLLVLHLLLKF 344


Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        2849598 seqs, 925015592 residues

Total number of hits satisfying chosen parameters:      2849598

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :      UniProt_7.2:*
                1:  uniprot_sprot:*
                2:  uniprot_trembl:*

        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.


                            SUMMARIES
                   %
Result           Query
  No.   Score   Match Length DB   ID                      Description
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     2   1780   98.6    344   2  Q8BG33_MOUSE            Q8bg33 m adult mal
     3  1665.5   92.2    344   1  NTRI_HUMAN              Q9p121 homo sapien
     4  1647.5   91.2    344   1  NTRI_MOUSE              Q99pj0 mus musculu
     5  1641.5   90.9    344   2  Q3TYC2_MOUSE            Q3tyc2 mus musculu
     6  1639.5   90.8    344   1  NTRI_RAT                Q62718 rattus norv
     7   1636   90.6    345   2  Q58DA5_BOVIN            Q58da5 bos taurus
     8  1477.5   81.8    353   1  CEPU1_CHICK             Q90773 gallus gall
     9   1428   79.1    313   2  O57596_CHICK            O57596 gallus gall
    10  1427.5   79.0    344   2  O93242_CHICK            O93242 gallus gall
    11  1357.5   75.2    315   2  Q9DGI5_CHICK            Q9dgi5 gallus gall
    12   1306   72.3    337   2  Q6DFY2_MOUSE            Q6dfy2 mus musculu
    13   1305   72.3    337   1  OBCAM_CHICK             Q98892 gallus gall
    14   1298   71.9    337   2  Q3TYL3_MOUSE            Q3tyl3 mus musculu
    15  1295.5   71.7    338   2  Q7Z3W6_HUMAN            Q7z3w6 homo sapien
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    17  1276.5   70.7    345   2  Q6GM08_XENLA            Q6gm08 xenopus lae
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    24   1259   69.7    345   1  OPCM_RAT                P32736 rattus norv
    25  1251.5   69.3    319   2  Q5ISM6_MACFA            Q5ism6 macaca fasc
    26   1137   63.0    231   2  Q3USC2_MOUSE            Q3usc2 m 10 days n
    27  993.5   55.0    342   2  Q642G9_BRARE            Q642g9 brachydanio
    28   946   52.4    334   2  O02870_CHICK            O02870 gallus gall
    29  938.5   52.0    338   1  LSAMP_CHICK             Q98919 gallus gall
    30  931.5   51.6    338   1  LSAMP_HUMAN             Q13449 homo sapien
    31  930.5   51.5    350   2  O02869_CHICK            O02869 gallus gall
    32  926.5   51.3    338   1  LSAMP_RAT               Q62813 rattus norv
    33  926.5   51.3    338   2  Q3TYE5_MOUSE            Q3tye5 mus musculu
    34   913   50.6    361   2  Q5M960_RAT              Q5m960 rattus norv
    35   904   50.1    337   2  Q6GLZ7_XENLA            Q6glz7 xenopus lae
    36   894   49.5    341   1  LSAMP_MOUSE             Q8blk3 mus musculu
    37   868   48.1    341   2  Q503N3_BRARE            Q503n3 brachydanio
    38   868   48.1    375   2  Q2WF53_BRARE            Q2wf53 brachydanio
    39   842   46.6    352   1  NEGR1_CHICK             Q9w6v2 gallus gall
    40   824   45.6    354   1  NEGR1_PONPY             Q5r412 pongo pygma
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41    823    45.6    354   1   NEGR1_HUMAN          Q7z3b1 homo sapien
42    815    45.1    348   1   NEGR1_RAT            Q9z0j8 rattus norv
43    814    45.1    348   1   NEGR1_MOUSE          Q80z24 mus musculu
44    761    42.1    287   2   Q4SL89_TETNG         Q4s189 tetraodon n
45    759    42.0    325   2   Q8HW98_MOUSE         Q8hw98 mus musculu
46    724.5  40.1    312   2   Q4SUX1_TETNG         Q4sux1 tetraodon n
47    686.5  38.0    188   2   Q8BMT5_MOUSE         Q8bmt5 mus musculu
48    642    35.5    343   2   Q4SDU6_TETNG         Q4sdu6 tetraodon n
49    545.5  30.2    226   2   Q8N440_HUMAN         Q8n440 homo sapien
50    518.5  28.7    227   2   Q568D3_BRARE         Q568d3 brachydanio
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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:25:01 ; Search time 219.148 Seconds
                                         (without alignments)
                                         653.024 Million cell updates/sec

Title:          US-10-657-103(4)
Perfect score:  1642
Sequence:       1 RSGDATFPKAMDNVTVRQGE.........RRAGCVWLLPLLVLHLLLKF 313

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       2589679 seqs, 457216429 residues

Total number of hits satisfying chosen parameters:      2589679

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :       A_Geneseq_8:*
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                 10: geneseqp2006s:*


        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.

                              SUMMARIES
                    %
Result          Query
  No.   Score  Match Length DB    ID                Description
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     5   1642  100.0    344  4   AAU12359          Aau12359 Human PRO
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268	1642	100.0	344	8	ADD77361	Add77361 Novel hum
269	1642	100.0	344	8	ADE20508	Ade20508 Novel hum
270	1642	100.0	344	8	ADD75573	Add75573 Human PRO
271	1642	100.0	344	8	ADD74089	Add74089 Human PRO
272	1642	100.0	344	8	ADD74335	Add74335 Human PRO
273	1642	100.0	344	8	ADD76065	Add76065 Novel hum
274	1642	100.0	344	8	ADD85557	Add85557 Novel hum
275	1642	100.0	344	8	ADE23905	Ade23905 Human PRO

276	1642	100.0	344	8	ADE24548	Ade24548 Human PRO
277	1642	100.0	344	8	ADD87373	Add87373 Human PRO
278	1642	100.0	344	8	ADE05106	Ade05106 Human PRO
279	1642	100.0	344	8	ADD75319	Add75319 Human PRO
280	1642	100.0	344	8	ADD76863	Add76863 Novel hum
281	1642	100.0	344	8	ADD86631	Add86631 Novel hum
282	1642	100.0	344	8	ADE89239	Ade89239 Human PRO
283	1642	100.0	344	8	ADE41199	Ade41199 Human sec
284	1642	100.0	344	8	ADD78099	Add78099 Novel hum
285	1642	100.0	344	8	ADE18378	Ade18378 Human PRO
286	1642	100.0	344	8	ADE88687	Ade88687 Human PRO
287	1642	100.0	344	8	ADE89958	Ade89958 Human sec
288	1642	100.0	344	8	ADD77607	Add77607 Novel hum
289	1642	100.0	344	8	ADD77853	Add77853 Novel hum
290	1642	100.0	344	8	ADD85311	Add85311 Novel hum
291	1642	100.0	344	8	ADD73843	Add73843 Human PRO
292	1642	100.0	344	8	ADD74581	Add74581 Human PRO
293	1642	100.0	344	8	ADD77109	Add77109 Novel hum
294	1642	100.0	344	8	ADD85803	Add85803 Novel hum
295	1642	100.0	344	8	ADE05352	Ade05352 Human PRO
296	1642	100.0	344	8	ADD74827	Add74827 Human PRO
297	1642	100.0	344	8	ADF61598	Adf61598 Human sec
298	1642	100.0	344	8	ADF40290	Adf40290 Human sec
299	1642	100.0	344	8	ADF46086	Adf46086 Human sec
300	1642	100.0	344	8	ADE94707	Ade94707 Human PRO
301	1642	100.0	344	8	ADE91118	Ade91118 Human PRO
302	1642	100.0	344	8	ADE95259	Ade95259 Human PRO
303	1642	100.0	344	8	ADE93369	Ade93369 Human PRO
304	1642	100.0	344	8	ADF24482	Adf24482 Human sec
305	1642	100.0	344	8	ADF40914	Adf40914 Human sec
306	1642	100.0	344	8	ADF23858	Adf23858 Human sec
307	1642	100.0	344	8	ADF33841	Adf33841 Human sec
308	1642	100.0	344	8	ADF34950	Adf34950 Human PRO
309	1642	100.0	344	8	ADF27308	Adf27308 Human sec
310	1642	100.0	344	8	ADF27944	Adf27944 Human sec
311	1642	100.0	344	8	ADE92265	Ade92265 Novel hum
312	1642	100.0	344	8	ADE90566	Ade90566 Human PRO
313	1642	100.0	344	8	ADF41538	Adf41538 Human sec
314	1642	100.0	344	8	ADF33217	Adf33217 Human sec
315	1642	100.0	344	8	ADF25583	Adf25583 Human sec
316	1642	100.0	344	8	ADF26684	Adf26684 Human sec
317	1642	100.0	344	8	ADF34473	Adf34473 Human sec
318	1642	100.0	344	8	ADF46710	Adf46710 Human sec
319	1642	100.0	344	8	ADE91713	Ade91713 Novel hum
320	1642	100.0	344	8	ADG05639	Adg05639 Novel hum
321	1642	100.0	344	8	ADG27193	Adg27193 Human PRO
322	1642	100.0	344	8	ADG02292	Adg02292 Human PRO
323	1642	100.0	344	8	ADG22078	Adg22078 Novel hum
324	1642	100.0	344	8	ADG20148	Adg20148 Human PRO
325	1642	100.0	344	8	ADF98054	Adf98054 Human PRO
326	1642	100.0	344	8	ADG24271	Adg24271 Novel hum
327	1642	100.0	344	8	ADF98625	Adf98625 Human PRO
328	1642	100.0	344	8	ADG03456	Adg03456 Human PRO
329	1642	100.0	344	8	ADF99177	Adf99177 Human PRO
330	1642	100.0	344	8	ADG16762	Adg16762 Human PRO
331	1642	100.0	344	8	ADG05221	Adg05221 Human PRO
332	1642	100.0	344	8	ADG19488	Adg19488 Human PRO
333	1642	100.0	344	8	ADG11256	Adg11256 Novel hum
334	1642	100.0	344	8	ADG13325	Adg13325 Human PRO
335	1642	100.0	344	8	ADG08382	Adg08382 Novel hum
336	1642	100.0	344	8	ADG15552	Adg15552 Human PRO
337	1642	100.0	344	8	ADG12035	Adg12035 Novel hum
338	1642	100.0	344	8	ADF96950	Adf96950 Human PRO
339	1642	100.0	344	8	ADG06135	Adg06135 Human PRO
340	1642	100.0	344	8	ADG23719	Adg23719 Novel hum
341	1642	100.0	344	8	ADG04008	Adg04008 Human PRO
342	1642	100.0	344	8	ADG24909	Adg24909 Novel hum
343	1642	100.0	344	8	ADF94592	Adf94592 Novel hum
344	1642	100.0	344	8	ADG07206	Adg07206 Novel hum
345	1642	100.0	344	8	ADG07758	Adg07758 Novel hum
346	1642	100.0	344	8	ADG06688	Adg06688 Human PRO
347	1642	100.0	344	8	ADG55253	Adg55253 Novel hum
348	1642	100.0	344	8	ADG60917	Adg60917 Novel hum
349	1642	100.0	344	8	ADG62021	Adg62021 Novel hum
350	1642	100.0	344	8	ADG82222	Adg82222 Human PRO
351	1642	100.0	344	8	ADG57461	Adg57461 Novel hum
352	1642	100.0	344	8	ADG56909	Adg56909 Novel hum
353	1642	100.0	344	8	ADG55805	Adg55805 Novel hum
354	1642	100.0	344	8	ADG58565	Adg58565 Novel hum
355	1642	100.0	344	8	ADG70931	Adg70931 Novel hum
356	1642	100.0	344	8	ADH39032	Adh39032 Novel hum

357	1642	100.0	344	8	ADG58013	Adg58013 Novel hum
358	1642	100.0	344	8	ADG53597	Adg53597 Novel hum
359	1642	100.0	344	8	ADG71483	Adg71483 Novel hum
360	1642	100.0	344	8	ADG50696	Adg50696 Human sec
361	1642	100.0	344	8	ADG81670	Adg81670 Human PRO
362	1642	100.0	344	8	ADH30632	Adh30632 Human PRO
363	1642	100.0	344	8	ADG63634	Adg63634 Human sec
364	1642	100.0	344	8	ADH11999	Adh11999 Novel hum
365	1642	100.0	344	8	ADG50072	Adg50072 Human sec
366	1642	100.0	344	8	ADG51944	Adg51944 Human sec
367	1642	100.0	344	8	ADG52421	Adg52421 Novel hum
368	1642	100.0	344	8	ADG54149	Adg54149 Novel hum
369	1642	100.0	344	8	ADG49448	Adg49448 Human sec
370	1642	100.0	344	8	ADG81118	Adg81118 Human PRO
371	1642	100.0	344	8	ADG56357	Adg56357 Novel hum
372	1642	100.0	344	8	ADH12623	Adh12623 Novel hum
373	1642	100.0	344	8	ADG48824	Adg48824 Human sec
374	1642	100.0	344	8	ADG61469	Adg61469 Novel hum
375	1642	100.0	344	8	ADH28556	Adh28556 Human PRO
376	1642	100.0	344	8	ADG54701	Adg54701 Novel hum
377	1642	100.0	344	8	ADG59741	Adg59741 Novel hum
378	1642	100.0	344	8	ADG51320	Adg51320 Human sec
379	1642	100.0	344	8	ADH43489	Adh43489 Human PRO
380	1642	100.0	344	8	ADG59264	Adg59264 Human sec
381	1642	100.0	344	8	ADG34122	Adg34122 Novel hum
382	1642	100.0	344	8	ADG62720	Adg62720 Human sec
383	1642	100.0	344	8	ADI81165	Adi81165 Human PRO
384	1642	100.0	344	8	ADI33592	Adi33592 Human PRO
385	1642	100.0	344	8	ADH69686	Adh69686 Human PRO
386	1642	100.0	344	8	ADH25745	Adh25745 Human PRO
387	1642	100.0	344	8	ADG09908	Adg09908 Novel hum
388	1642	100.0	344	8	ADI15379	Adi15379 Novel hum
389	1642	100.0	344	8	ADG09256	Adg09256 Novel hum
390	1642	100.0	344	8	ADI14711	Adi14711 Novel hum
391	1642	100.0	344	8	ADI29847	Adi29847 Novel hum
392	1642	100.0	344	8	ADI18306	Adi18306 Novel hum
393	1642	100.0	344	8	ADM27244	Adm27244 Novel hum
394	1642	100.0	344	8	ADJ63587	Adj63587 Novel hum
395	1642	100.0	344	8	ADJ77482	Adj77482 Human PRO
396	1642	100.0	344	8	ADK82834	Adk82834 Human PRO
397	1642	100.0	344	8	ADK66602	Adk66602 Human PRO
398	1642	100.0	344	8	ADJ65604	Adj65604 Human PRO
399	1642	100.0	344	8	ADM27740	Adm27740 Human PRO
400	1642	100.0	344	8	ADM17522	Adm17522 Human sec
401	1642	100.0	344	8	ADL07356	Adl07356 Human sec
402	1642	100.0	344	8	ADM42464	Adm42464 Human PRO
403	1642	100.0	344	8	ADM28326	Adm28326 Human PRO
404	1642	100.0	344	8	ADI95808	Adi95808 Human PRO
405	1642	100.0	344	8	ADI96360	Adi96360 Novel hum
406	1642	100.0	344	8	ADS32312	Ads32312 Novel hum
407	1642	100.0	344	8	ADT03296	Adt03296 Human PRO
408	1642	100.0	344	8	ADU50478	Adu50478 PRO337, S
409	1642	100.0	344	9	ADW49757	Adw49757 PRO337 pr
410	1642	100.0	344	9	ADZ03347	Adz03347 Human sec
411	1642	100.0	344	9	ADZ52418	Adz52418 Human sec
412	1642	100.0	344	9	AEB14093	Aeb14093 Cancer ce
413	1642	100.0	344	9	AED48246	Aed48246 Human PRO
414	1642	100.0	344	9	AED86291	Aed86291 Human PRO
415	1642	100.0	355	4	AAM40499	Aam40499 Human pol
416	1642	100.0	355	7	ADI21580	Adi21580 Novel hum
417	1635	99.6	344	3	AAB19722	Aab19722 Human SEC
418	1635	99.6	344	3	AAB19721	Aab19721 Human SEC
419	1635	99.6	344	7	ADD18291	Add18291 Human mol
420	1635	99.6	344	7	ADD18289	Add18289 Human mol
421	1627.5	99.1	343	2	AAY41773	Aay41773 Human PRO
422	1626.5	99.1	355	7	ADG63211	Adg63211 Human neu
423	1626.5	99.1	355	7	ADI35770	Adi35770 Human neu
424	1622	98.8	381	5	AAU79205	Aau79205 Human Kru
425	1620.5	98.7	367	7	ADG63213	Adg63213 Human neu
426	1616	98.4	344	7	ADI35772	Adi35772 Rat neuro
427	1616	98.4	376	7	ADG63215	Adg63215 Human neu
428	1295	78.9	250	8	ADO47380	Ado47380 Human neu
429	1244.5	75.8	338	7	ADE07928	Ade07928 Novel pro
430	1244.5	75.8	345	6	ABJ20236	Abj20236 Human IG
431	1244.5	75.8	345	7	ADE83448	Ade83448 Human Pro
432	1244.5	75.8	345	7	ADG63207	Adg63207 Opioid-bi
433	1244.5	75.8	345	9	ADV73205	Adv73205 Human col
434	1235.5	75.2	345	7	ADE83446	Ade83446 Rat Prote
435	907	55.2	335	5	AAO19641	Aao19641 Human lim
436	906	55.2	338	6	ABJ20235	Abj20235 Human IG
437	906	55.2	338	8	ADL12675	Adl12675 Human ste

438	906	55.2	338	9	ADX26265	Adx26265 Novel cel
439	901	54.9	310	2	AAW05156	Aaw05156 Rat matur
440	901	54.9	338	2	AAW05153	Aaw05153 Rat LAMP
441	901	54.9	338	2	AAW05154	Aaw05154 Rat LAMP
442	901	54.9	338	9	ADX26409	Adx26409 Novel cel
443	900	54.8	334	9	AEA26105	Aea26105 Human ren
444	898	54.7	304	2	AAW05155	Aaw05155 Human mat
445	898	54.7	325	2	AAW05152	Aaw05152 Human LAM
446	887.5	54.0	361	2	AAW05172	Aaw05172 Rat LAMP
447	882.5	53.7	287	2	AAW05159	Aaw05159 Human LAM
448	882.5	53.7	308	2	AAW05157	Aaw05157 Human LAM
449	881.5	53.7	287	2	AAW05160	Aaw05160 Rat LAMP
450	881.5	53.7	315	2	AAW05158	Aaw05158 Rat LAMP
451	868.5	52.9	341	9	ADX26335	Adx26335 Novel cel
452	867.5	52.8	383	6	ABR39441	Abr39441 Human GEN
453	852.5	51.9	326	4	AAG75020	Aag75020 Human col
454	850	51.8	203	7	ADM47275	Adm47275 Oestrogen
455	814	49.6	354	4	AAB31212	Aab31212 Amino aci
456	814	49.6	354	5	ABP53581	Abp53581 Human NOV
457	814	49.6	354	5	ABP53580	Abp53580 Human NOV
458	814	49.6	354	5	AAU83592	Aau83592 Human PRO
459	814	49.6	354	5	ADI28023	Adi28023 ECMCAD pr
460	814	49.6	354	5	ADY31742	Ady31742 Novel hum
461	814	49.6	354	6	ABU80739	Abu80739 Human PRO
462	814	49.6	354	6	ABO25183	Abo25183 Novel hum
463	814	49.6	354	6	ABO33705	Abo33705 Novel hum
464	814	49.6	354	6	ABU67301	Abu67301 Novel hum
465	814	49.6	354	6	ABU72069	Abu72069 Novel hum
466	814	49.6	354	6	ABU67170	Abu67170 Novel hum
467	814	49.6	354	6	ABU82048	Abu82048 Novel hum
468	814	49.6	354	6	ABU79812	Abu79812 Human sec
469	814	49.6	354	6	ABJ72228	Abj72228 Human PRO
470	814	49.6	354	6	ADA47302	Ada47302 Human sec
471	814	49.6	354	6	ABJ72356	Abj72356 Human PRO
472	814	49.6	354	6	ABO34251	Abo34251 Human sec
473	814	49.6	354	7	ABO19870	Abo19870 Human sec
474	814	49.6	354	7	ABJ72058	Abj72058 Human mem
475	814	49.6	354	7	ADB83492	Adb83492 Novel hum
476	814	49.6	354	7	ADB80598	Adb80598 Novel hum
477	814	49.6	354	7	ADB73139	Adb73139 Novel hum
478	814	49.6	354	7	ADB78221	Adb78221 Novel hum
479	814	49.6	354	7	ADB84869	Adb84869 Human PRO
480	814	49.6	354	7	ADB77975	Adb77975 Novel hum
481	814	49.6	354	7	ADB87041	Adb87041 Human PRO
482	814	49.6	354	7	ADB84623	Adb84623 Human PRO
483	814	49.6	354	7	ADB83738	Adb83738 Novel hum
484	814	49.6	354	7	ADB72893	Adb72893 Novel hum
485	814	49.6	354	7	ADC36731	Adc36731 Human PRO
486	814	49.6	354	7	ADC21721	Adc21721 Human PRO
487	814	49.6	354	7	ADC49752	Adc49752 Novel hum
488	814	49.6	354	7	ADC48951	Adc48951 Novel hum
489	814	49.6	354	7	ADC49468	Adc49468 Novel hum
490	814	49.6	354	7	ADC47329	Adc47329 Novel hum
491	814	49.6	354	7	ADC47074	Adc47074 Novel hum
492	814	49.6	354	7	ADC77949	Adc77949 Novel hum
493	814	49.6	354	7	ADD06184	Add06184 Novel hum
494	814	49.6	354	7	ADC77703	Adc77703 Novel hum
495	814	49.6	354	7	ADD50666	Add50666 Novel hum
496	814	49.6	354	7	ADD50912	Add50912 Novel hum
497	814	49.6	354	7	ADD50393	Add50393 Human PRO
498	814	49.6	354	7	ADD50147	Add50147 Human PRO
499	814	49.6	354	7	ADD51158	Add51158 Novel hum
500	814	49.6	354	7	ADG63811	Adg63811 Human sec
501	814	49.6	354	8	ADC48705	Adc48705 Novel hum
502	814	49.6	354	8	ADE20876	Ade20876 Novel hum
503	814	49.6	354	8	ADE05720	Ade05720 Human PRO
504	814	49.6	354	8	ADD74949	Add74949 Human PRO
505	814	49.6	354	8	ADD75695	Add75695 Novel hum
506	814	49.6	354	8	ADD84927	Add84927 Novel hum
507	814	49.6	354	8	ADD86753	Add86753 Novel hum
508	814	49.6	354	8	ADE20630	Ade20630 Novel hum
509	814	49.6	354	8	ADE38927	Ade38927 Novel hum
510	814	49.6	354	8	ADE05474	Ade05474 Human PRO
511	814	49.6	354	8	ADD73459	Add73459 Human PRO
512	814	49.6	354	8	ADD78299	Add78299 Novel hum
513	814	49.6	354	8	ADE21122	Ade21122 Novel hum
514	814	49.6	354	8	ADD77237	Add77237 Novel hum
515	814	49.6	354	8	ADE20384	Ade20384 Novel hum
516	814	49.6	354	8	ADD75449	Add75449 Human PRO
517	814	49.6	354	8	ADD73965	Add73965 Human PRO
518	814	49.6	354	8	ADD74211	Add74211 Human PRO

519	814	49.6	354	8	ADD75941	Add75941 Novel hum
520	814	49.6	354	8	ADD85433	Add85433 Novel hum
521	814	49.6	354	8	ADE04982	Ade04982 Human PRO
522	814	49.6	354	8	ADD75195	Add75195 Human PRO
523	814	49.6	354	8	ADD76739	Add76739 Novel hum
524	814	49.6	354	8	ADD86507	Add86507 Novel hum
525	814	49.6	354	8	ADE41225	Ade41225 Human sec
526	814	49.6	354	8	ADD77975	Add77975 Novel hum
527	814	49.6	354	8	ADD77483	Add77483 Novel hum
528	814	49.6	354	8	ADD77729	Add77729 Novel hum
529	814	49.6	354	8	ADD85187	Add85187 Novel hum
530	814	49.6	354	8	ADD73719	Add73719 Human PRO
531	814	49.6	354	8	ADD74457	Add74457 Human PRO
532	814	49.6	354	8	ADD76985	Add76985 Novel hum
533	814	49.6	354	8	ADD85679	Add85679 Novel hum
534	814	49.6	354	8	ADE05228	Ade05228 Human PRO
535	814	49.6	354	8	ADD74703	Add74703 Human PRO
536	814	49.6	354	8	ADG05515	Adg05515 Novel hum
537	814	49.6	354	8	ADG27069	Adg27069 Human PRO
538	814	49.6	354	8	ADG11132	Adg11132 Novel hum
539	814	49.6	354	8	ADG11911	Adg11911 Novel hum
540	814	49.6	354	8	ADF94468	Adf94468 Novel hum
541	814	49.6	354	8	ADG06564	Adg06564 Human PRO
542	814	49.6	354	8	ADH38908	Adh38908 Novel hum
543	814	49.6	354	8	ADG63659	Adg63659 Human sec
544	814	49.6	354	8	ADG33998	Adg33998 Novel hum
545	814	49.6	354	8	ADI33468	Adi33468 Human PRO
546	814	49.6	354	8	ADH69562	Adh69562 Human PRO
547	814	49.6	354	8	ADI29723	Adi29723 Novel hum
548	814	49.6	354	8	ADM27120	Adm27120 Novel hum
549	814	49.6	354	8	ADK66478	Adk66478 Human PRO
550	814	49.6	354	8	ADS82050	Ads82050 Human can
551	813	49.5	354	5	ABB98407	Abb98407 Human NOV
552	812	49.5	348	6	ABJ20234	Abj20234 Human IG
553	812	49.5	348	6	ABJ20233	Abj20233 Human IG
554	811	49.4	354	7	ADB64811	Adb64811 Human pro
555	806	49.1	352	3	AAB44331	Aab44331 Human PRO
556	806	49.1	352	6	ABO25277	Abo25277 Novel hum
557	806	49.1	352	6	ABU72283	Abu72283 Novel hum
558	806	49.1	352	6	ABU09489	Abu09489 Human sec
559	806	49.1	352	6	ABU61161	Abu61161 Human PRO
560	806	49.1	352	6	ABU80430	Abu80430 Human sec
561	806	49.1	352	6	ADA25150	Ada25150 Novel hum
562	806	49.1	352	6	ABO19732	Abo19732 Novel hum
563	806	49.1	352	6	ADA12812	Ada12812 Human sec
564	806	49.1	352	6	ABO19623	Abo19623 Novel hum
565	806	49.1	352	7	ADB74118	Adb74118 Human PRO
566	806	49.1	352	7	ADB76834	Adb76834 Human PRO
567	806	49.1	352	7	ADC44260	Adc44260 Human sec
568	806	49.1	352	7	ADC62020	Adc62020 Human sec
569	806	49.1	352	7	ADC63984	Adc63984 Human sec
570	806	49.1	352	7	ADC67084	Adc67084 Human sec
571	806	49.1	352	7	ADC69208	Adc69208 Human sec
572	806	49.1	352	7	ADC63268	Adc63268 Human sec
573	806	49.1	352	7	ADC68333	Adc68333 Human sec
574	806	49.1	352	7	ADC41653	Adc41653 Human sec
575	806	49.1	352	7	ADC67708	Adc67708 Human sec
576	806	49.1	352	7	ADC62644	Adc62644 Human sec
577	806	49.1	352	7	ADC42277	Adc42277 Human sec
578	806	49.1	352	7	ADE49646	Ade49646 Human sec
579	806	49.1	352	7	ADE35700	Ade35700 Human sec
580	806	49.1	352	7	ADE16814	Ade16814 Human sec
581	806	49.1	352	7	ADD73429	Add73429 Human sec
582	806	49.1	352	7	ADD72787	Add72787 Human sec
583	806	49.1	352	7	ADE17438	Ade17438 Human sec
584	806	49.1	352	7	ADF47452	Adf47452 Human sec
585	806	49.1	352	7	ADG53209	Adg53209 Human sec
586	806	49.1	352	7	ADG60529	Adg60529 Human sec
587	806	49.1	352	7	ADI61289	Adi61289 Human sec
588	806	49.1	352	8	ADE48946	Ade48946 Human sec
589	806	49.1	352	8	ADE90047	Ade90047 Human sec
590	806	49.1	352	8	ADF61687	Adf61687 Human sec
591	806	49.1	352	8	ADF40379	Adf40379 Human sec
592	806	49.1	352	8	ADF46175	Adf46175 Human sec
593	806	49.1	352	8	ADF24571	Adf24571 Human sec
594	806	49.1	352	8	ADF41003	Adf41003 Human sec
595	806	49.1	352	8	ADF23947	Adf23947 Human sec
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598	806	49.1	352	8	ADF28033	Adf28033 Human sec
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600     806    49.1    352  8  ADF33306              Adf33306 Human sec
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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:40:31 ; Search time 35.7306 Seconds
                                          (without alignments)
                                          766.768 Million cell updates/sec

Title:           US-10-657-103-(4)
Perfect score:   1642
Sequence:        1 RSGDATFPKAMDNVTVRQGE.........RRAGCVWLLPLLVLHLLLKF 313

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters:       650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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                 Listing first 1000 summaries

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         Pred. No. is the number of results predicted by chance to have a
         score greater than or equal to the score of the result being printed,
         and is derived by analysis of the total score distribution.

                              SUMMARIES
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   17       898     54.7   325   1  US-08-414-657D-41        Sequence 41, Appl
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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on:          May 30, 2006, 10:41:00 ; Search time 116.244 Seconds
                                         (without alignments)
                                         1247.263 Million cell updates/sec

Title:           US-10-657-103-4
Perfect score:   1642
Sequence:        1 RSGDATFPKAMDNVTVRQGE.........RRAGCVWLLPLLVLHLLLKF 313

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters:       2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :       Published_Applications_AA_Main:*
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        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.

                         SUMMARIES
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609	1642	100.0	344	4	US-10-143-113-376	Sequence 376, App
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669	1642	100.0	344	5	US-10-955-952-376	Sequence 376, App
670	1642	100.0	344	5	US-10-165-036A-523	Sequence 523, App
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687	1635	99.6	344	3	US-09-965-212-4	Sequence 4, Appli
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691	1635	99.6	344	5	US-10-971-479-4	Sequence 4, Appli
692	1635	99.6	344	5	US-10-971-479-6	Sequence 6, Appli
693	1626.5	99.1	355	4	US-10-306-133-1	Sequence 1, Appli
694	1616	98.4	344	4	US-10-306-133-3	Sequence 3, Appli
695	1401	85.3	344	4	US-10-015-115-87	Sequence 87, Appl
696	1295	78.9	250	4	US-10-311-823-15	Sequence 15, Appl
697	1244.5	75.8	345	4	US-10-161-572-59	Sequence 59, Appl
698	1244.5	75.8	345	4	US-10-015-115-84	Sequence 84, Appl
699	1244.5	75.8	345	5	US-10-696-639-46	Sequence 46, Appl
700	1243.5	75.7	345	4	US-10-015-115-83	Sequence 83, Appl
701	1235.5	75.2	338	4	US-10-015-115-86	Sequence 86, Appl
702	1235.5	75.2	345	4	US-10-015-115-85	Sequence 85, Appl
703	913	55.6	338	4	US-10-038-854-159	Sequence 159, App
704	906	55.2	338	3	US-09-808-602-69	Sequence 69, Appl
705	906	55.2	338	3	US-09-800-198-58	Sequence 58, Appl
706	906	55.2	338	4	US-10-161-572-58	Sequence 58, Appl
707	906	55.2	338	4	US-10-038-854-158	Sequence 158, App
708	906	55.2	338	4	US-10-042-865-92	Sequence 92, Appl
709	905	55.1	350	3	US-09-808-602-71	Sequence 71, Appl
710	905	55.1	350	3	US-09-800-198-60	Sequence 60, Appl
711	901	54.9	338	3	US-09-808-602-72	Sequence 72, Appl
712	901	54.9	338	3	US-09-800-198-61	Sequence 61, Appl
713	901	54.9	338	4	US-10-042-865-91	Sequence 91, Appl
714	867.5	52.8	383	3	US-09-978-418-38	Sequence 38, Appl
715	867.5	52.8	383	5	US-10-485-231-38	Sequence 38, Appl
716	852.5	51.9	326	4	US-10-106-698-5794	Sequence 5794, Ap
717	850	51.8	203	4	US-10-187-975-108	Sequence 108, App
718	833	50.7	352	4	US-10-038-854-156	Sequence 156, App
719	833	50.7	352	4	US-10-042-865-89	Sequence 89, Appl
720	814	49.6	354	4	US-10-066-500-130	Sequence 130, App
721	814	49.6	354	4	US-10-227-884-2	Sequence 2, Appli
722	814	49.6	354	4	US-10-002-796-130	Sequence 130, App
723	814	49.6	354	4	US-10-066-273-130	Sequence 130, App
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791	814	49.6	354	4	US-10-230-183-2	Sequence 2, Appli
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799	814	49.6	354	4	US-10-232-222-2	Sequence 2, Appli
800	814	49.6	354	4	US-10-226-739-130	Sequence 130, App

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OM protein - protein search, using sw model

Run on: May 30, 2006, 10:42:25 ; Search time 8.57534 Seconds
                                          (without alignments)
                                          406.513 Million cell updates/sec

Title: US-10-657-103-4
Perfect score: 1642
Sequence: 1 RSGDATFPKAMDNVTVRQGE.........RRAGCVWLLPLLVLHLLLKF 313

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 56051 seqs, 11137335 residues

Total number of hits satisfying chosen parameters: 56051

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :   Published_Applications_AA_New:*
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                 3: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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         Pred. No. is the number of results predicted by chance to have a
         score greater than or equal to the score of the result being printed,
         and is derived by analysis of the total score distribution.

                              SUMMARIES

         %
Result   Query
 No.   Score Match Length DB ID   Description
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    1   227   13.8   4391 7   US-11-183-325-56   Sequence 56, Appl
    2   219   13.3   699 7   US-11-293-697-3322   Sequence 3322, Ap
    3   218.5 13.3   1115 6   US-10-196-749-440   Sequence 440, App
    4   211   12.9   364 7   US-11-246-999-39   Sequence 39, Appl
    5   211   12.9   440 6   US-10-196-749-34   Sequence 34, Appl
    6   211   12.9   440 7   US-11-296-092-61   Sequence 61, Appl
    7   211   12.9   442 7   US-11-246-999-136   Sequence 136, App
    8   207   12.6   600 7   US-11-293-697-4457   Sequence 4457, Ap
    9   203.5 12.4   807 7   US-11-293-697-4489   Sequence 4489, Ap
   10   196   11.9   1180 6   US-10-505-928-459   Sequence 459, App
   11   193.5 11.8   439 7   US-11-246-999-145   Sequence 145, App
   12   187   11.4   600 6   US-10-196-749-586   Sequence 586, App
   13   185.5 11.3   702 6   US-10-538-066-363   Sequence 363, App
   14   182   11.1   531 7   US-11-180-855-2   Sequence 2, Appli
   15   182   11.1   626 7   US-11-180-855-1   Sequence 1, Appli
   16   180.5 11.0   708 6   US-10-196-749-584   Sequence 584, App
   17   176   10.7   637 7   US-11-293-697-3198   Sequence 3198, Ap
   18   173.5 10.6   544 6   US-10-196-749-118   Sequence 118, App
   19   171   10.4   526 6   US-10-505-928-160   Sequence 160, App
   20   168   10.2   1338 6   US-10-505-928-634   Sequence 634, App
   21   168   10.2   1338 6   US-10-505-928-857   Sequence 857, App
   22   165   10.0   777 7   US-11-293-697-3189   Sequence 3189, Ap
   23   163.5 10.0   582 7   US-11-301-554-334   Sequence 334, App
   24   158.5   9.7   639 7   US-11-246-999-33   Sequence 33, Appl
   25   157.5   9.6   697 7   US-11-246-999-149   Sequence 149, App
   26   157   9.6   707 7   US-11-293-697-4774   Sequence 4774, Ap
   27   150.5   9.2   1298 6   US-10-505-928-274   Sequence 274, App
   28   147   9.0   394 6   US-10-538-066-754   Sequence 754, App
   29   139   8.5   416 7   US-11-293-697-4389   Sequence 4389, Ap
   30   136.5   8.3   738 6   US-10-511-937-2418   Sequence 2418, Ap
   31   136   8.3   903 7   US-11-293-697-2977   Sequence 2977, Ap
   32   135   8.2   229 7   US-11-246-999-46   Sequence 46, Appl
   33   135   8.2   393 7   US-11-246-999-144   Sequence 144, App
   34   135   8.2   972 7   US-11-255-147-8   Sequence 8, Appli

35	134.5	8.2	976	6	US-10-511-937-2423	Sequence 2423, Ap
36	128	7.8	372	7	US-11-251-465-71	Sequence 71, Appl
37	128	7.8	806	7	US-11-251-465-22	Sequence 22, Appl
38	126.5	7.7	365	6	US-10-505-928-148	Sequence 148, App
39	124	7.6	993	6	US-10-511-937-2463	Sequence 2463, Ap
40	124	7.6	999	6	US-10-196-749-434	Sequence 434, App
41	121	7.4	340	7	US-11-180-855-3	Sequence 3, Appli
42	119.5	7.3	442	7	US-11-246-999-99	Sequence 99, Appl
43	119.5	7.3	462	7	US-11-293-697-3457	Sequence 3457, Ap
44	117.5	7.2	417	6	US-10-505-928-664	Sequence 664, App
45	115.5	7.0	526	7	US-11-246-999-121	Sequence 121, App
46	114.5	7.0	466	7	US-11-211-917-30	Sequence 30, Appl
47	113.5	6.9	440	7	US-11-251-465-65	Sequence 65, Appl
48	113.5	6.9	449	7	US-11-251-465-68	Sequence 68, Appl
49	113.5	6.9	885	6	US-10-505-928-432	Sequence 432, App
50	113.5	6.9	885	7	US-11-251-465-20	Sequence 20, Appl

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OM protein - protein search, using sw model

Run on: May 30, 2006, 10:25:20 ; Search time 184.37 Seconds
                                            (without alignments)
                                            1570.375 Million cell updates/sec

Title: US-10-657-103(4)
Perfect score: 1642
Sequence: 1 RSGDATFPKAMDNVTVRQGE..........RRAGCVWLLPLLVLHLLLKF 313

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 2849598 seqs, 925015592 residues

Total number of hits satisfying chosen parameters: 2849598

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1000 summaries

Database :   UniProt_7.2:*
                 1: uniprot_sprot:*
                 2: uniprot_trembl:*

        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.

                              SUMMARIES

		% Query				
Result No.	Score	Match	Length	DB	ID	Description
1	1642	100.0	344	1	NTRI_HUMAN	Q9p121 homo sapien
2	1636	99.6	344	2	Q5R554_PONPY	Q5r554 pongo pygma
3	1624	98.9	344	1	NTRI_MOUSE	Q99pj0 mus musculu
4	1624	98.9	344	2	Q8BG33_MOUSE	Q8bg33 m adult mal
5	1618	98.5	344	2	Q3TYC2_MOUSE	Q3tyc2 mus musculu
6	1616	98.4	344	1	NTRI_RAT	Q62718 rattus norv
7	1612.5	98.2	345	2	Q58DA5_BOVIN	Q58da5 bos taurus
8	1401	85.3	344	2	O93242_CHICK	O93242 gallus gall
9	1380.5	84.1	353	1	CEPU1_CHICK	Q90773 gallus gall
10	1331	81.1	313	2	O57596_CHICK	O57596 gallus gall
11	1331	81.1	315	2	Q9DGI5_CHICK	Q9dgi5 gallus gall
12	1256	76.5	337	2	Q6DFY2_MOUSE	Q6dfy2 mus musculu
13	1251.5	76.2	336	2	Q5ISA8_9PRIM	Q5isa8 saimiri bol
14	1250	76.1	337	1	OBCAM_CHICK	Q98892 gallus gall
15	1250	76.1	344	2	Q9DF61_CHICK	Q9df61 gallus gall
16	1248	76.0	337	2	Q3TYL3_MOUSE	Q3tyl3 mus musculu
17	1247.5	76.0	345	2	Q6GM08_XENLA	Q6gm08 xenopus lae
18	1247	75.9	344	2	Q6B0I4_HUMAN	Q6b0i4 homo sapien
19	1244.5	75.8	338	2	Q7Z3W6_HUMAN	Q7z3w6 homo sapien
20	1244.5	75.8	338	2	Q5R7T4_PONPY	Q5r7t4 pongo pygma
21	1244.5	75.8	345	1	OPCM_HUMAN	Q14982 homo sapien
22	1244.5	75.8	345	1	OPCM_PANTR	Q5is61 pan troglod
23	1243.5	75.7	345	1	OPCM_BOVIN	P11834 bos taurus
24	1235.5	75.2	345	1	OPCM_RAT	P32736 rattus norv
25	1230.5	74.9	319	2	Q5ISM6_MACFA	Q5ism6 macaca fasc
26	981	59.7	231	2	Q3USC2_MOUSE	Q3usc2 m 10 days n
27	970	59.1	342	2	Q642G9_BRARE	Q642g9 brachydanio
28	913	55.6	334	2	O02870_CHICK	O02870 gallus gall
29	913	55.6	338	1	LSAMP_CHICK	Q98919 gallus gall
30	906	55.2	338	1	LSAMP_HUMAN	Q13449 homo sapien
31	905	55.1	350	2	O02869_CHICK	O02869 gallus gall
32	901	54.9	338	1	LSAMP_RAT	Q62813 rattus norv
33	901	54.9	338	2	Q3TYE5_MOUSE	Q3tye5 mus musculu
34	887.5	54.0	361	2	Q5M960_RAT	Q5m960 rattus norv
35	878.5	53.5	337	2	Q6GLZ7_XENLA	Q6glz7 xenopus lae
36	868.5	52.9	341	1	LSAMP_MOUSE	Q8blk3 mus musculu
37	856	52.1	341	2	Q503N3_BRARE	Q503n3 brachydanio
38	833	50.7	352	1	NEGR1_CHICK	Q9w6v2 gallus gall
39	824	50.2	375	2	Q2WF53_BRARE	Q2wf53 brachydanio
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44	761	46.3	287	2	Q4SL89_TETNG	Q4sl89	tetraodon n
45	757	46.1	325	2	Q8HW98_MOUSE	Q8hw98	mus musculu
46	724.5	44.1	312	2	Q4SUX1_TETNG	Q4sux1	tetraodon n
47	663	40.4	188	2	Q8BMT5_MOUSE	Q8bmt5	mus musculu
48	642	39.1	343	2	Q4SDU6_TETNG	Q4sdu6	tetraodon n
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